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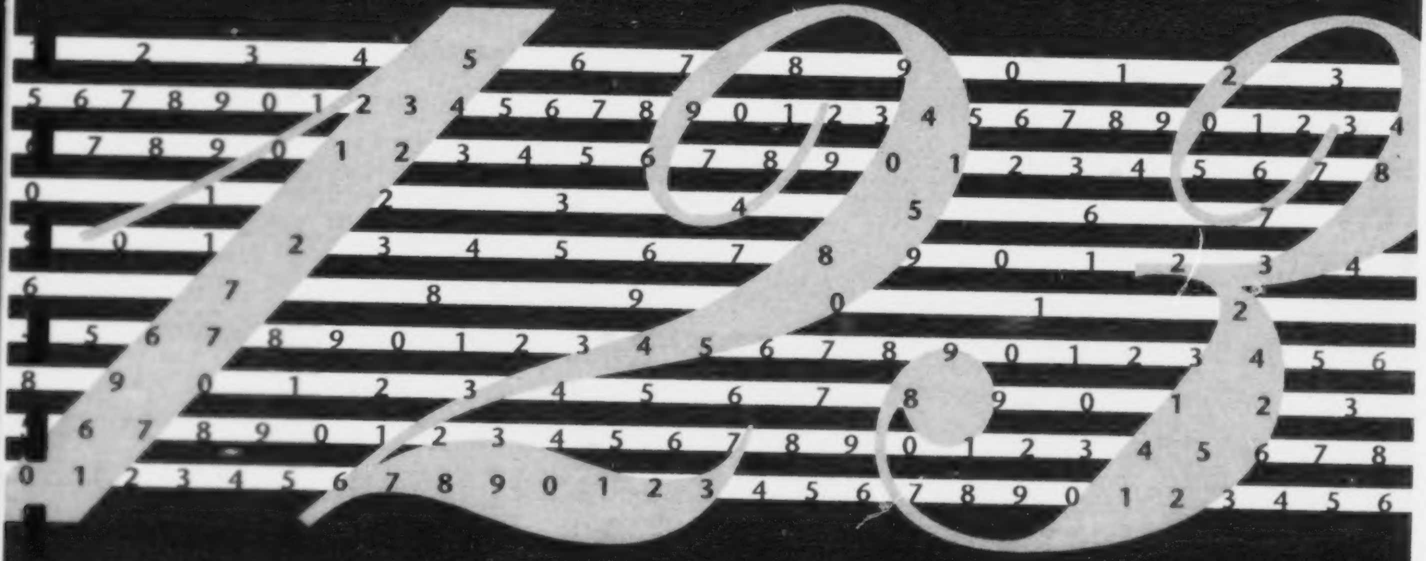
SELECTED VITAL STATISTICS AND HEALTH STATUS INDICATORS

ONE HUNDRED AND THIRTY-THIRD

Annual Report 2004

BRITISH COLUMBIA VITAL STATISTICS AGENCY



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British Columbia
Vital Statistics Agency

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BRITISH COLUMBIA VITAL STATISTICS AGENCY

Vital
Statistics

British Columbia
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Canadian Cataloguing in Publication Data

Main entry under title:
Selected vital statistics and health status indicators
… annual report. -- 119th (1990) -

Annual.
Continues: Vital statistics of the Province of British Columbia, ISSN 0702-9446
Report year ends Dec. 31.
ISSN 1188-3642 = Selected vital statistics and health status indicators … annual report.

1. British Columbia – Statistics, Vital. I. British Columbia. Division of Vital Statistics.

HA747.B7S44 304.6'09711'021 C92-092045-4

2007-01377/

Foreword

The British Columbia Vital Statistics Agency is pleased to present the 2004 Annual Report, the one hundred and thirty-third published since the establishment of the Division of Vital Statistics in 1872. The tables, figures, and maps in this publication are based on information collected from registrations of live births, stillbirths, deaths, marriages, changes of name, and adoption and update provisional statistics released throughout the year in the Agency's Quarterly Digest.

This publication contains approximately 80 tables, figures, and maps that summarize selected information about the health of British Columbians. The report includes a detailed glossary, defining the terms and statistical methods used in the body of the publication. In addition a set of Information Boxes supplement the standard tables with information on a wide range of subjects, from a statistical profile of a typical day in British Columbia to a detailed analysis of the number and type of deaths in the province from illicit drug use.. Throughout the report, key indicators are presented for the province's Health Authorities (HA) and local health areas (LHA).

Beginning with the 2000 Annual Report the Agency has presented data using the tenth revision of the World Health Organization's International Classification of Diseases (ICD-10) coding scheme. Where possible, this report follows a format consistent with previous annual reports that present statistics from the current year along with comparative statistics from the preceding five years. Many changes in the codes and in the rules for selection of the underlying cause of death preclude direct comparison of data in ICD-10 with data from prior to 2000. Extensive manual reviews using translation tables in conjunction with recoding of data from ICD-9 to ICD-10 enabled the production of trend data. This approach is unique to publications of this Agency.

Vital Statistics would like to acknowledge the many groups and individuals who ensure complete and accurate recording of vital events. Their contributions have resulted in continual improvement in the quality of vital event data.

Andrew K. McBride
Chief Executive Officer
British Columbia Vital Statistics Agency

This annual report is also available on our website: http://www.vs.gov.bc.ca/

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Introduction

Introduction

The Vital Statistics Agency is responsible for the ascertainment, registration, and certification of vital events through the administration of the *Vital Statistics Act*, *Marriage Act*, and *Name Act*. Statistical information contained in this report is summary data provided by the Agency for use by government agencies, health planners, researchers, and the general public. In order to maintain confidentiality, the information does not disclose personally identifiable data.

VITAL EVENT DATA

Live birth, stillbirth, and death statistics in this report summarize events that occurred in the province for British Columbia residents only, and exclude events to non-residents except where specifically noted. Statistics do not include events for British Columbia residents that occurred outside the province; Statistics Canada, in its publications, makes adjustments for events that occur to Canadians outside their province of usual residence. Marriage statistics summarize all events that occurred in the province to either residents or non-residents.

Data presented in this report are based on registrations of birth, stillbirth, death, and marriage as reported to the British Columbia Vital Statistics Agency. Registration requirements for each type of event are outlined briefly as follows:

Live Births: *The Vital Statistics Act* prescribes the legal requirements for the registration of live births. The parent(s) of the child have the responsibility to complete the Registration of Live Birth within 30 days of the event. The physician or registered midwife who was in attendance at the birth must complete a *Notice of Live Birth or Stillbirth* (NOB) form. Other requirements must be met if the birth was not attended by a physician or registered midwife.

Stillbirths: In the event of a stillbirth, the parent(s) must complete the Registration of Stillbirth. The physician or registered midwife who was in attendance at the birth must complete a *Notice of Live Birth or Stillbirth* (NOB) form. In addition, a physician or coroner is required to complete the Medical Certification of Stillbirth portion of the Registration of Stillbirth and deliver it to the funeral director who in turn submits it to the Agency.

Deaths: The physician in attendance at the last illness of the deceased person, or the coroner conducting an inquiry into the death of the person is required to complete a Medical Certification of Death. In addition, the Registration of Death is completed by the informant with assistance from the funeral home. Funeral Directors obtain the Medical Certification of Death, issue the burial permit, and submit the Medical Certification of Death and the Registration of Death documents to the Agency to complete the registration.

Marriages: The *Marriage Act* prescribes the legal qualifications of individuals to marry, the authorization of Religious Representatives and Marriage Commissioners to perform the marriage ceremony, and the solemnization of marriage. Under the *Marriage Act*, the Agency licences Religious Representatives of established religious denominations who desire the authority to solemnize marriage. The Agency recommends for appointment Marriage Licence Issuers and Marriage Commissioners to perform civil ceremonies.

Couples who meet the legal qualifications to marry must obtain a marriage licence up to 90 days before the ceremony. They can choose a civil ceremony performed by a Marriage Commissioner or a religious ceremony performed by a Religious Representative. The Registration of Marriage is completed by the officiant after the ceremony, and must be signed by the officiant, the parties getting married, and two witnesses.

MEDICAL CODING

The *Notice of Live Birth or Stillbirth* includes information on birth weight, gestation, and mode of delivery, as well as abnormalities of the infant and complications of pregnancy, labour, and delivery. The *Medical Certification of Death* and the *Medical Certification of Stillbirth* include information on the immediate cause of death or stillbirth, antecedent causes giving rise to the immediate cause, and other significant conditions contributing to the death or stillbirth. This information is processed by medically trained staff using the World Health Organization's International Classification of Diseases (ICD) coding scheme. In some instances the Agency's medical coding staff has determined that strict adherence to the automated ICD classification process would misstate the intention of the physician completing the *Medical Certification of Death*. In these cases the Agency deviates slightly from ICD coding for the material presented in this report. Data coded to automated ICD classification standards are maintained by the Agency for comparison to other jurisdictions or submission to Statistics Canada. Data presented in this report does not necessarily correspond to data for British Columbia published elsewhere.

Since the early 1900s, the International Classification of Diseases has been revised regularly in order to reflect advances in medical science and changes in diagnostic terminology. The ninth revision of ICD (ICD-9) was used for medical coding of birth complications and causes of death from 1979 until 1999. Coding according to the tenth revision (ICD-10) was implemented at the beginning of the year 2000. Many changes in the codes and in the rules for selection of the underlying cause of death precluded direct comparison of data in ICD-10 with data from earlier years. Translation tables were used, and extensive manual reviews and recoding of data from ICD-9 to ICD-10 was completed in order to be able to provide trend data in this annual report.

TIME PERIODS

This report pertains to events that occurred in the calendar year 2004. Selected tables present aggregate information for the five-year period, 1999-2003. These broader time periods permit more meaningful tests of statistical significance when analyzing data at sub-provincial levels, and can smooth out random fluctuations that occur when annual numbers are small. For regional health status profiles, readers are encouraged to refer to measures of statistical significance and use data presented for the five-year aggregates.

The data for 2003 and earlier years have been updated and may differ from other publications. Readers should treat this report as a replacement of previous publications and avoid comparisons with tables in earlier publications.

POPULATION DATA

Population estimates for incorporated communities, local health areas, and health regions were provided by BC STATS, Ministry of Management Services. In the mortality section of this report, a 'standard population' is used in the calculation of Age Standardized Mortality Rates (ASMR) and Potential Years Of Life Lost Standardized Rates (PYLLSR). The Agency has used the 1991 Canadian Census population as the 'standard population' in the calculation of these age-standardized measures since 1998. Please refer to Standard Population in the Glossary for a more detailed description.

SPATIAL ANALYSIS AND MAPPING

This report presents regional analyses using data dissemination areas used by the Ministry of Health (Health Authority, Health Service Delivery Area, and Local Health Area) and for incorporated communities. This continues the practice established in 2001 and provides Health Authorities a consistent time series of health status indicators for their governance regions. Vital events are allocated to these data dissemination areas by the postal codes recorded on registration documents. Marriages are assigned geographically by the postal code of the location where the marriage ceremony was performed and other vital events are assigned by the usual residence of the parents (for live births and stillbirths) or the decedent (for deaths).

The maps in this report present local health area (LHA) data ranked by quintiles and allow easy visual examination of spatial patterns. Although statistics for all LHAs are presented in the maps, emphasis should be placed on those that are statistically significant.

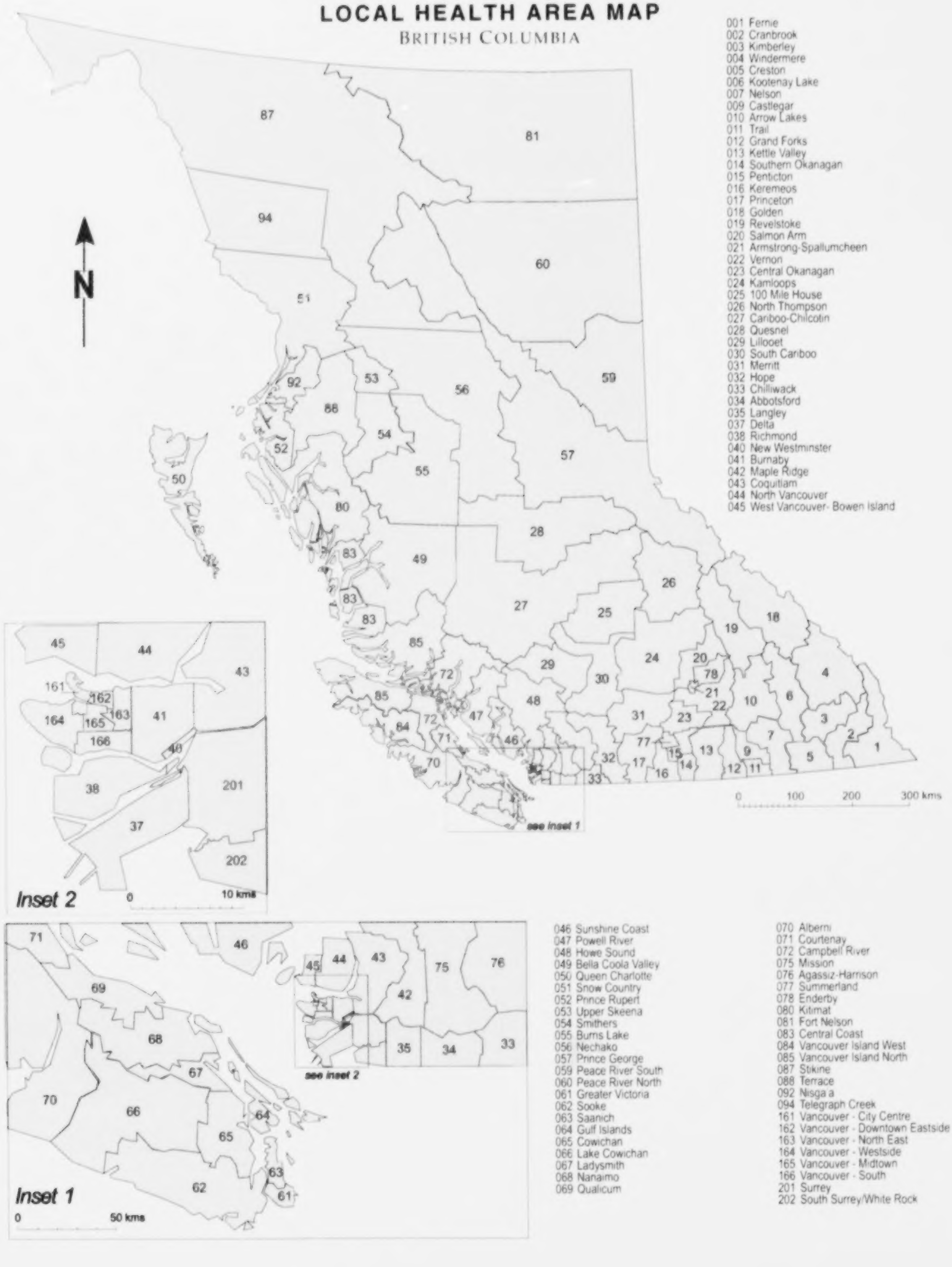
TERMS, METHODS, AND COMPUTATIONAL EXAMPLES

Readers are encouraged to refer to the glossary for explanations of terms and methodologies. In addition, the glossary provides examples of computations of measures and statistical tests.

FIGURE 1

LOCAL HEALTH AREA MAP

BRITISH COLUMBIA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006 Kootenay Lake
007 Nelson
009 Castlegar
010 Arrow Lakes
011 Trail
012 Grand Forks
013 Kettle Valley
014 Southern Okanagan
015 Penticton
016 Keremeos
017 Princeton
018 Golden
019 Revelstoke
020 Salmon Arm
021 Armstrong-Spallumcheen
022 Vernon
023 Central Okanagan
024 Kamloops
025 100 Mile House
026 North Thompson
027 Cariboo-Chilcotin
028 Quesnel
029 Lillooet
030 South Cariboo
031 Merritt
032 Hope
033 Chilliwack
034 Abbotsford
035 Langley
037 Delta
038 Richmond
040 New Westminster
041 Burnaby
042 Maple Ridge
043 Coquitlam
044 North Vancouver
045 West Vancouver- Bowen Island

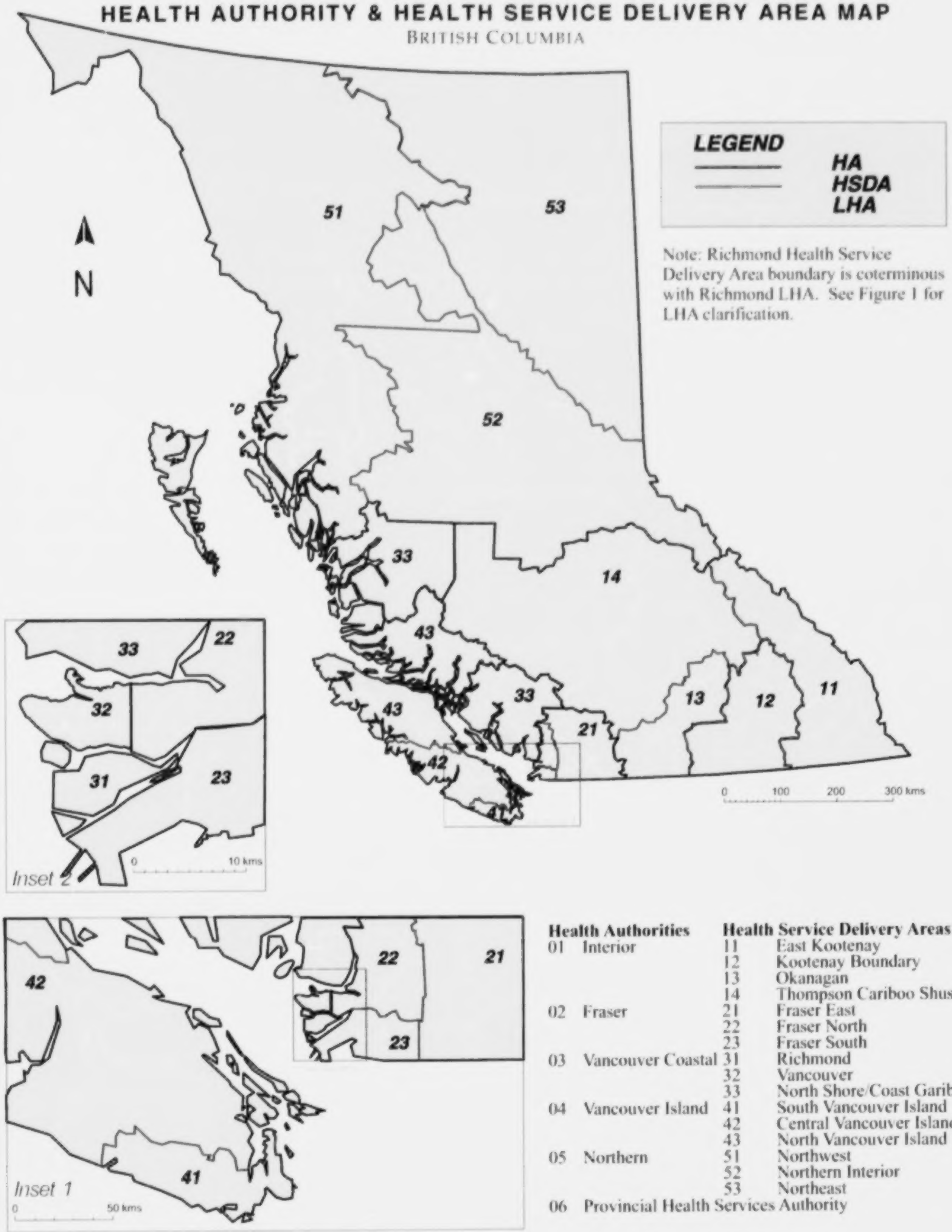
046 Sunshine Coast
047 Powell River
048 Howe Sound
049 Bella Coola Valley
050 Queen Charlotte
051 Snow Country
052 Prince Rupert
053 Upper Skeena
054 Smithers
055 Burns Lake
056 Nechako
057 Prince George
059 Peace River South
060 Peace River North
061 Greater Victoria
062 Sooke
063 Saanich
064 Gulf Islands
065 Cowichan
066 Lake Cowichan
067 Ladysmith
068 Nanaimo
069 Qualicum

070 Alberni
071 Courtenay
072 Campbell River
075 Mission
076 Agassiz-Harrison
077 Summerland
078 Enderby
080 Kitimat
081 Fort Nelson
083 Central Coast
084 Vancouver Island West
085 Vancouver Island North
087 Stikine
088 Terrace
092 Nisga'a
094 Telegraph Creek
161 Vancouver - City Centre
162 Vancouver - Downtown Eastside
163 Vancouver - North East
164 Vancouver - Westside
165 Vancouver - Midtown
166 Vancouver - South
201 Surrey
202 South Surrey/White Rock

FIGURE 2

HEALTH AUTHORITY & HEALTH SERVICE DELIVERY AREA MAP

BRITISH COLUMBIA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Note: Richmond Health Service Delivery Area boundary is coterminous with Richmond LHA. See Figure 1 for LHA clarification.

Health Authorities		Health Service Delivery Areas	
01	Interior	11	East Kootenay
		12	Kootenay Boundary
		13	Okanagan
		14	Thompson Cariboo Shuswap
02	Fraser	21	Fraser East
		22	Fraser North
		23	Fraser South
03	Vancouver Coastal	31	Richmond
		32	Vancouver
		33	North Shore/Coast Garibaldi
04	Vancouver Island	41	South Vancouver Island
		42	Central Vancouver Island
		43	North Vancouver Island
05	Northern	51	Northwest
		52	Northern Interior
		53	Northeast
06	Provincial Health Services Authority		

Vital Statistics Information Box

VITAL EVENT REGISTRATIONS

Section 44 of the *Vital Statistics Act* states: "As soon as convenient after January 1 in each year, the chief executive officer must make, for the use of the Legislative Assembly and for public information, a statistical report of the births, stillbirths, marriages, deaths, adoptions and changes of name registered during the preceeding calendar year."

The table below is presented to fulfill these requirements.

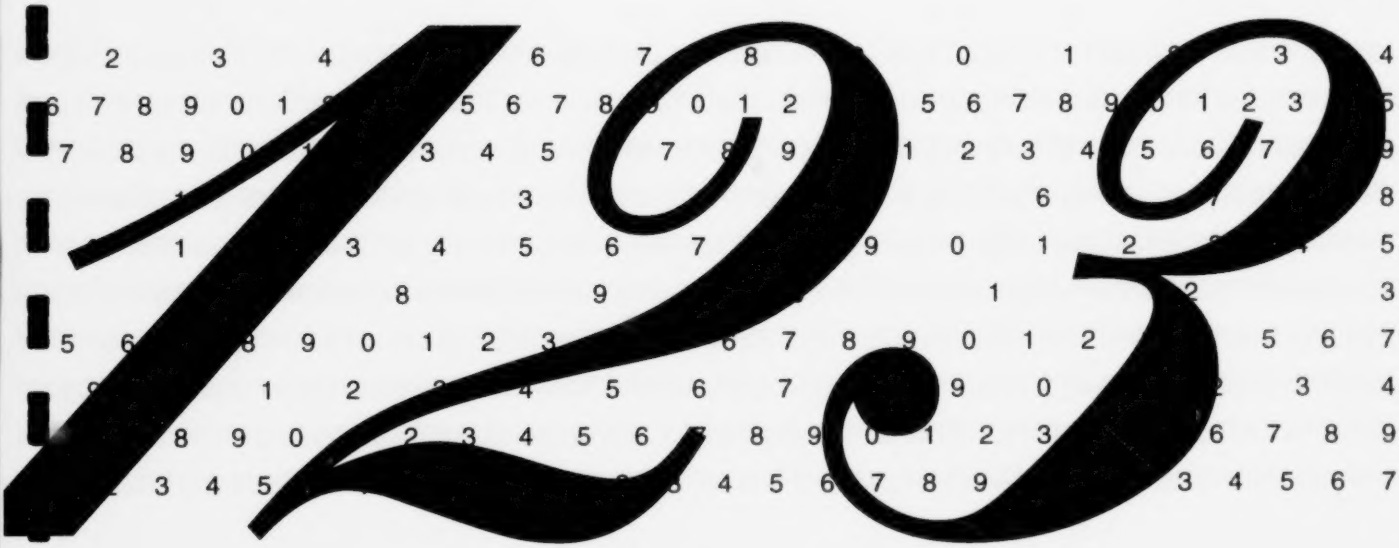
VITAL EVENTS REGISTERED IN BRITISH COLUMBIA IN 2004

Event Type	Residents	Non-Residents	Total
Live Births	40,318	190	40,508
Deaths	29,652	267	29,919
Stillbirths	280	1	281
Marriages[1]	19,452	2,621	22,073
Adoptions	694	86	780
Changes of Name[2]	4,499	-	4,499

Note: [1] Residents include marriages where only one party was a British Columbia resident, as well as those where both parties were residents.

[2] These registrations resulted in 5,065 name changes.

Trends in Vital Events



VITAL STATISTICS INFORMATION BOX

ON A TYPICAL DAY IN BRITISH COLUMBIA IN 2004

110 LIVE BIRTHS OCCURRED IN THE PROVINCE TO B.C. RESIDENTS:

57 males and 53 females were born
4 were born to teenage mothers
24 were born to mothers aged 35 years old or more
3 were multiple births
33 were cesarean deliveries
6 were low birth weight babies
8 were pre-term
57 live births involved maternal complications
38 babies had perinatal complications
8 stillbirths every 10 days

81 DEATHS OCURRED IN THE PROVINCE TO B.C. RESIDENTS:

41 males and 40 females died
63 deaths were seniors aged 65 years old or more including
- 39 deaths aged 80 years old or more

7 deaths every 10 days were children less than 15 years old including
- 5 infant deaths every 10 days

27 deaths were due to diseases of the circulatory system including
- 18 from cardiovascular disease
- 6 from cerebrovascular disease

23 deaths were due to malignant neoplasms (cancer) including
- 6 from malignant neoplasm of trachea and lung
- 2 from malignant neoplasm of colon and rectum
- 2 from malignant neoplasm of female breast

8 deaths were due to diseases of the respiratory system including
- 3 from pneumonia and influenza
- 3 from chronic pulmonary disease

3 deaths every 10 days were due to HIV disease
4 deaths were from external causes including
- 1 suicide
- 1 motor vehicle accident
- 1 accidental fall

5 deaths were alcohol-related:
- 1 was directly due to alcohol and 4 were indirectly due to alcohol

1 death was drug-induced
16 deaths were attributed to smoking

60 MARRIAGES WERE SOLEMNIZED IN B.C.:

36 were civil ceremonies and 24 were performed by religious representatives
38 marriages were to couples where both parties were marrying for the first time
2 marriages every 10 days were to couples where both parties were teenagers

2004 in Context

Historical information on the vital statistics of the British Columbia population is presented in this section. This allows readers to examine the changes in annual live birth, stillbirth, death, and marriage rates and to put current year statistics in the larger context. In addition the section highlights certain features of this report that are of special interest.

Since 1950, as the population of British Columbia has almost quadrupled, demographic and social changes have had substantial impacts on vital events. Provincial rates for live births, stillbirths, and marriages in 2004 have fallen to about half the rates seen in 1950, while mortality rates declined by nearly a third. Infant mortality rates in B.C. have fallen dramatically to one fifth of the rates seen in 1965.

- In 2004, there were 40,318 live births in the province to B.C. residents. The number of live births increased by 31 births from 40,287 in 2003. The 2004 birth rate was 9.61 live births per 1,000 population, slightly lower than the 2003 rate of 9.70. The live births rate in 2004 is the lowest to date.
- There were 29,652 deaths of British Columbia residents in the province in 2004, up 514 from the previous year (29,138). The crude death rate was 7.07 deaths per 1,000 population in 2004 and 7.02 in 2003.
- A total of 22,073 marriages were solemnized in the province in 2004, an increase from 21,978 marriages in 2003. The marriage rate decreased slightly in 2004 to 5.26 per 1,000 population, down from 5.29 in 2003. Marriage rates showed a downward trend from 1988 to 1999 but have since rebounded slightly.
- There were 280 stillbirths to B.C. residents in 2004, a decrease from 306 in 2003. The stillbirth rate was 6.90 per 1,000 total births (live births and stillbirths) in 2004. Stillbirth rates have fluctuated between 6.31 and 7.71 in the last decade.
- In 2004, the 40,318 live births and 29,652 deaths in the province produced a rate of natural population growth of 2.5 per 1,000 population, down slightly from 2.7 in 2003. The 2004 rate of natural population growth for B.C. was the lowest since 1950.
- The Total Fertility Rate for B.C. was 1,384 births per 1,000 women of childbearing age (15 to 44 years of age) in 2004, almost unchanged from 1,386 in 2003.
- In 2004, there were 168 infant deaths (age at death less than one year) in the province, for an infant mortality rate of 4.17 per 1,000 live births. In 2003, there were 166 infant deaths and an infant mortality rate of 4.12 per 1,000 live births. The smallest numbers and lowest rates of infant mortality occurred in 1999 and 2000.
- The average age of people getting married has climbed steadily since 1977. The average age of males who got married in B.C. in 2004 was 35.7 years old while females getting married averaged 33.2 years old.

TABLE 1

LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS

BRITISH COLUMBIA, 1950–2004

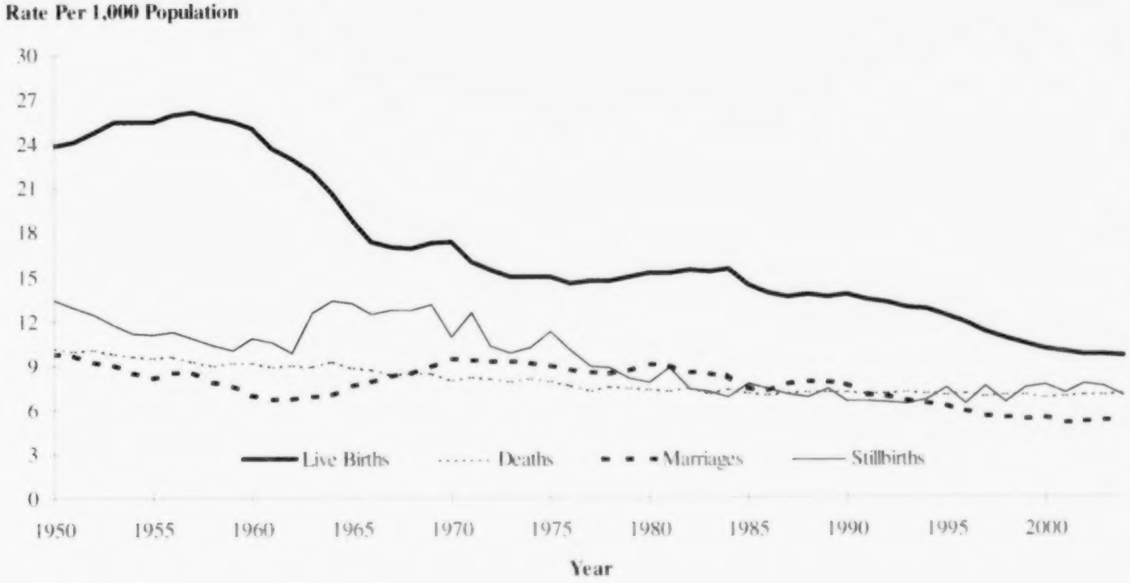
Year	Mid-year Population	Live Births		Deaths		Marriages		Stillbirths	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
1950	1,137,000	27,116	23.85	11,581	10.19	11,110	9.77	369	13.43
1951	1,165,210	28,077	24.10	11,638	9.99	11,272	9.67	365	12.83
1952	1,205,000	29,827	24.75	12,080	10.02	11,081	9.20	375	12.42
1953	1,248,000	31,746	25.44	12,218	9.79	11,298	9.05	375	11.67
1954	1,295,000	32,946	25.44	12,414	9.59	10,991	8.49	373	11.19
1955	1,342,000	34,138	25.44	12,816	9.55	11,011	8.20	381	11.04
1956	1,398,464	36,241	25.91	13,415	9.59	11,950	8.55	413	11.27
1957	1,482,000	38,744	26.14	13,711	9.25	12,620	8.52	422	10.77
1958	1,538,000	39,577	25.73	13,741	8.93	12,094	7.86	414	10.35
1959	1,567,000	39,971	25.51	14,336	9.15	11,910	7.60	404	10.01
1960	1,602,000	40,116	25.04	14,696	9.17	11,203	6.99	437	10.78
1961	1,629,100	38,591	23.69	14,403	8.84	10,935	6.71	410	10.51
1962	1,660,000	38,128	22.97	14,912	8.98	11,196	6.74	377	9.79
1963	1,699,000	37,478	22.06	15,029	8.85	11,677	6.87	476	12.54
1964	1,745,000	35,897	20.57	16,051	9.20	12,158	6.97	485	13.33
1965	1,797,000	33,669	18.74	15,784	8.78	13,639	7.59	447	13.10
1966	1,873,674	32,502	17.35	16,290	8.69	14,682	7.84	409	12.43
1967	1,945,000	32,899	16.91	16,170	8.31	16,026	8.24	422	12.66
1968	2,003,000	33,687	16.82	16,828	8.40	16,914	8.44	433	12.69
1969	2,060,000	35,383	17.18	17,377	8.44	18,284	8.88	468	13.05
1970	2,128,000	36,861	17.32	17,020	8.00	20,020	9.41	407	10.92
1971	2,184,620	34,852	15.95	17,783	8.14	20,389	9.33	442	12.52
1972	2,241,400	34,563	15.42	18,021	8.04	20,659	9.22	356	10.20
1973	2,302,400	34,352	14.92	18,095	7.86	21,303	9.25	339	9.77
1974	2,375,700	35,450	14.92	19,177	8.07	21,734	9.15	364	10.16
1975	2,433,200	36,281	14.91	19,151	7.87	21,824	8.97	414	11.28
1976	2,466,610	35,848	14.53	18,788	7.62	21,536	8.73	361	9.97
1977	2,493,800	36,691	14.71	18,021	7.23	21,156	8.48	330	8.91
1978	2,530,100	37,231	14.72	19,057	7.53	21,388	8.45	331	8.81
1979	2,571,200	38,432	14.95	19,204	7.47	22,087	8.59	313	8.08
1980	2,640,100	40,104	15.19	19,371	7.34	23,830	9.03	316	7.82
1981	2,744,470	41,679	15.19	19,857	7.24	24,694	9.00	371	8.82
1982	2,787,700	42,942	15.40	20,704	7.43	23,831	8.55	317	7.33
1983	2,813,800	43,047	15.30	19,895	7.07	23,692	8.42	310	7.15
1984	2,847,700	44,040	15.47	20,781	7.30	23,394	8.22	303	6.83
1985	2,990,000	42,989	14.38	21,131	7.07	22,270	7.45	333	7.69
1986	3,003,601	41,713	13.89	21,007	6.99	21,843	7.27	308	7.33
1987	3,049,618	41,609	13.64	21,619	7.09	23,417	7.68	291	6.95
1988	3,114,765	42,852	13.76	22,357	7.18	24,514	7.87	295	6.84
1989	3,197,222	43,589	13.63	22,786	7.13	25,177	7.87	324	7.38
1990	3,290,814	45,341	13.78	23,415	7.12	25,226	7.67	298	6.53
1991	3,373,464	45,339	13.44	23,819	7.06	23,665	7.02	298	6.53
1992	3,468,445	46,023	13.27	24,463	7.05	23,762	6.85	297	6.41
1993	3,567,406	45,953	12.88	25,602	7.18	23,478	6.58	292	6.31
1994	3,675,699	46,828	12.74	25,830	7.03	23,772	6.47	311	6.60
1995	3,777,004	46,690	12.36	26,224	6.94	23,632	6.26	350	7.44
1996	3,874,276	45,952	11.86	27,390	7.07	22,882	5.91	292	6.31
1997	3,948,544	44,393	11.24	27,258	6.90	21,883	5.54	335	7.49
1998	3,983,077	42,862	10.76	27,806	6.98	21,778	5.47	278	6.44
1999	4,011,342	41,746	10.41	27,864	6.95	21,628	5.39	312	7.42
2000	4,039,198	40,483	10.02	27,314	6.76	22,099	5.47	309	7.58
2001	4,078,447	40,391	9.90	28,232	6.92	20,571	5.04	286	7.03
2002	4,115,413	39,897	9.69	28,709	6.98	21,261	5.17	310	7.71
2003	4,152,289	40,287	9.70	29,138	7.02	21,978	5.29	306	7.54
2004	4,196,383	40,318	9.61	29,652	7.07	22,073	5.26	280	6.90

Note: Rates shown for live births, deaths and marriages are crude rates per 1,000 population. Stillbirth rate is per 1,000 total births (live births plus stillbirths). The definition of a stillbirth was revised in 1963 and 1986 (see Glossary). Population information from BC STATS, Ministry of Management Services. Above information includes late registrations and amendments. Gender unknown included. Non-residents are excluded from all data except marriages.

FIGURE 3

CRUDE RATES OF LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS

BRITISH COLUMBIA, 1950–2004



Note: Stillbirth rate per 1,000 total births

HIGHLIGHTS TO TABLE 1/FIGURE 3

Since 1950, as the population of British Columbia has almost quadrupled, demographic and social changes have had substantial impacts on vital events. Provincial rates for live births, stillbirths, and marriages in 2004 have fallen to about half the rates seen in 1950, while mortality rates declined by nearly a third.

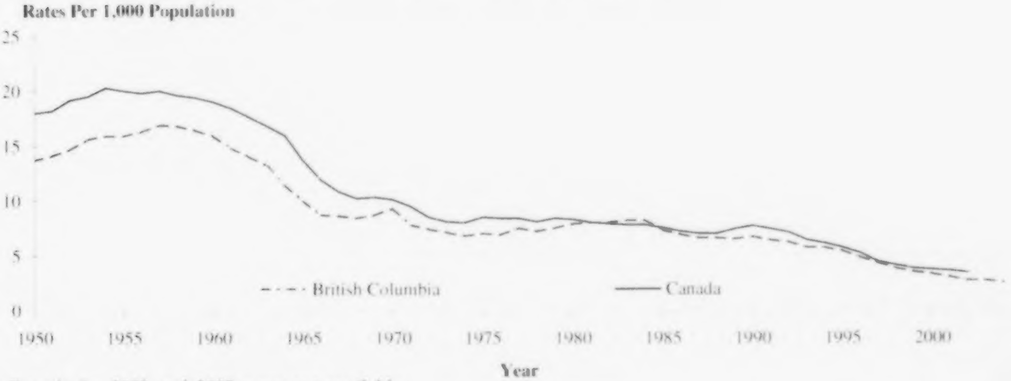
- In 2004, there were 40,318 live births in the province to B.C. residents. The number of live births increased by 31 births from 40,287 in 2003. The 2004 birth rate was 9.61 live births per 1,000 population, slightly lower than the 2003 rate of 9.70. The live birth rate in 2004 is the lowest to date.
- There were 29,652 deaths of British Columbia residents in the province in 2004, up 514 from the previous year (29,138). The crude death rate was 7.07 deaths per 1,000 population in 2004 and 7.02 in 2003.
- A total of 22,073 marriages were solemnized in the province in 2004, an increase from 21,978 marriages in 2003. The marriage rate decreased slightly in 2004 to 5.26 per 1,000 population, down from 5.29 in 2003. Marriage rates showed a downward trend from 1988 to 1999 but have since rebounded slightly.
- There were 280 stillbirths to B.C. residents in 2004, a decrease from 306 in 2003. The stillbirth rate was 6.90 per 1,000 total births (live births and stillbirths) in 2004. Stillbirth rates have fluctuated between 6.31 and 7.58 in the last decade.

TABLE 2
NATURAL POPULATION INCREASES
BRITISH COLUMBIA AND CANADA, 1950–2004

Year	Rate B.C.	Rate Canada	Year	Rate B.C.	Rate Canada
1950	13.7	18.0	1977	7.5	8.4
1951	14.1	18.2	1978	7.2	8.1
1952	14.7	19.2	1979	7.5	8.4
1953	15.6	19.5	1980	7.9	8.3
1954	15.9	20.3	1981	8.0	8.0
1955	15.9	20.0	1982	8.0	7.9
1956	16.3	19.8	1983	8.2	7.8
1957	16.9	20.0	1984	8.2	7.8
1958	16.8	19.6	1985	7.3	7.5
1959	16.4	19.4	1986	6.9	7.2
1960	15.9	19.0	1987	6.6	7.0
1961	14.8	18.4	1988	6.6	7.0
1962	14.0	17.6	1989	6.5	7.4
1963	13.2	16.8	1990	6.7	7.7
1964	11.4	15.9	1991	6.4	7.4
1965	10.0	13.7	1992	6.2	7.1
1966	8.7	11.9	1993	5.7	6.4
1967	8.6	10.8	1994	5.7	6.1
1968	8.4	10.2	1995	5.4	5.7
1969	8.7	10.3	1996	4.8	5.2
1970	9.3	10.1	1997	4.3	4.4
1971	7.8	9.5	1998	3.8	4.1
1972	7.4	8.5	1999	3.5	3.8
1973	7.1	8.1	2000	3.3	3.7
1974	6.8	8.0	2001	3.0	3.6
1975	7.0	8.5	2002	2.7	3.4
1976	6.9	8.4	2003	2.7	*
			2004	2.5	*

Note: Rates shown are rates of natural population increase per 1,000 population. Canadian rates from Statistics Canada. *Rates for Canada were not available. Non-residents are excluded.

FIGURE 4
NATURAL POPULATION INCREASES
BRITISH COLUMBIA AND CANADA, 1950–2004



Note: Rates for Canada for 2002 and 2003 were not available.

HIGHLIGHTS TO TABLE 2/FIGURE 4

- In 2004, the 40,318 live births and 29,652 deaths in the province produced a rate of natural population growth of 2.5 per 1,000 population, down slightly from 2.7 in 2003. Immigration and emigration are not included in natural population growth rates.
- The pattern of natural population growth rates follows the trends seen in the live birth rates. After high rates in the 1950s, natural population growth rates decreased rapidly in the 1960s as birth and death rates both declined. Since the mid 1980s, the small but steady decline in the natural population growth rate resulted from declining birth rates and relatively stable death rates. The 2004 rate of natural population growth for B.C. was the lowest since 1950.
- Except for four years from 1981 to 1984, the B.C. rate of natural population growth has been consistently below the Canadian rate each year.

TABLE 3

TOTAL FERTILITY RATES

BRITISH COLUMBIA, 1950–2004

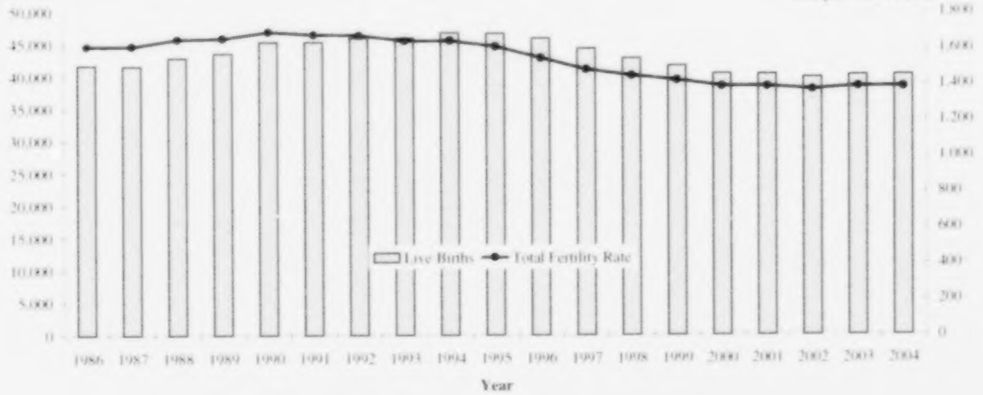
Year	Total Fertility Rate	Live Births	Year	Total Fertility Rate	Live Births
1950	3,074	27,116	1978	1,620	37,231
1951	3,201	28,077	1979	1,721	38,432
1952	3,327	29,827	1980	1,716	40,104
1953	3,542	31,746	1981	1,718	41,679
1954	3,656	32,946	1982	1,749	42,942
1955	3,748	34,138	1983	1,751	43,047
1956	3,875	36,241	1984	1,781	44,040
1957	3,921	38,744	1985	1,642	42,989
1958	3,900	39,577	1986	1,608	41,713
1959	3,958	39,971	1987	1,608	41,609
1960	3,949	40,116	1988	1,646	42,852
1961	3,785	38,591	1989	1,651	43,589
1962	3,709	38,128	1990	1,689	45,341
1963	3,564	37,478	1991	1,673	45,339
1964	3,284	35,897	1992	1,670	46,023
1965	2,710	33,669	1993	1,639	45,953
1966	2,442	32,502	1994	1,641	46,828
1967	2,307	32,899	1995	1,608	46,690
1968	2,228	33,687	1996	1,544	45,952
1969	2,223	35,383	1997	1,480	44,393
1970	2,185	36,861	1998	1,446	42,862
1971	1,994	34,852	1999	1,421	41,746
1972	1,890	34,563	2000	1,388	40,483
1973	1,751	34,352	2001	1,386	40,391
1974	1,735	35,450	2002	1,369	39,897
1975	1,682	36,281	2003	1,386	40,287
1976	1,618	35,848	2004	1,384	40,318
1977	1,636	36,691			

Note: Total Fertility Rate – Sum of age-specific fertility rates multiplied by the number of years in each age group (see Glossary for definition). Rates per 1,000 women age 15 to 44. Non-residents are excluded.

FIGURE 5

TOTAL FERTILITY RATES AND NUMBER OF LIVE BIRTHS

BRITISH COLUMBIA, 1986–2004

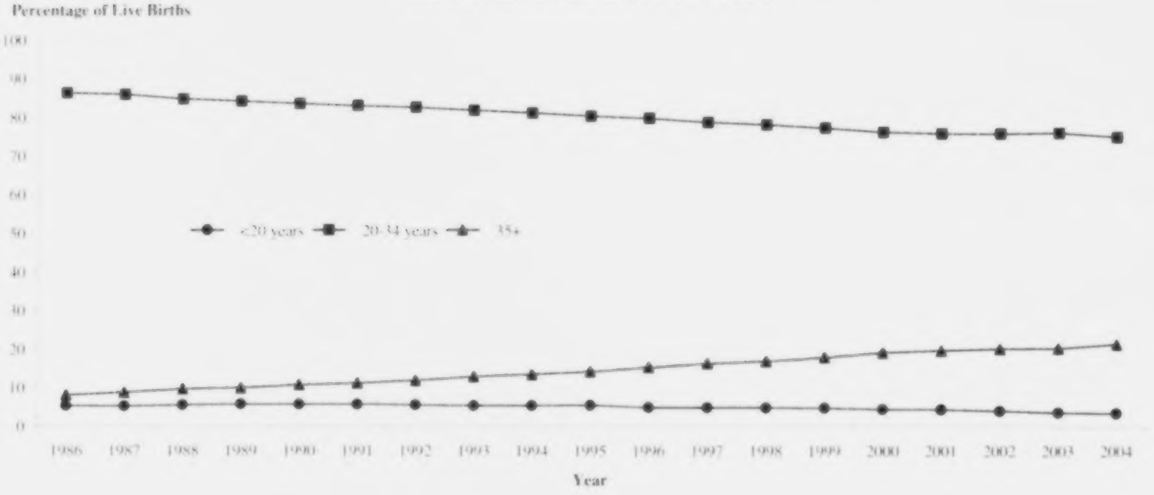


HIGHLIGHTS TO TABLE 3/FIGURE 5

The total fertility rate (TFR) is the number of births 1,000 women can expect over their childbearing years, based on current age specific fertility.

- The Total Fertility Rate for B.C. was 1,384 births per 1,000 women of childbearing age (15 to 44 years of age) in 2004, almost unchanged from 1,386 in 2003. Based on the TFR, the average woman in 2004 would have 1.4 live births in her lifetime.
- The total fertility rate is on a long term downward trend (statistically significant at the 95% level).

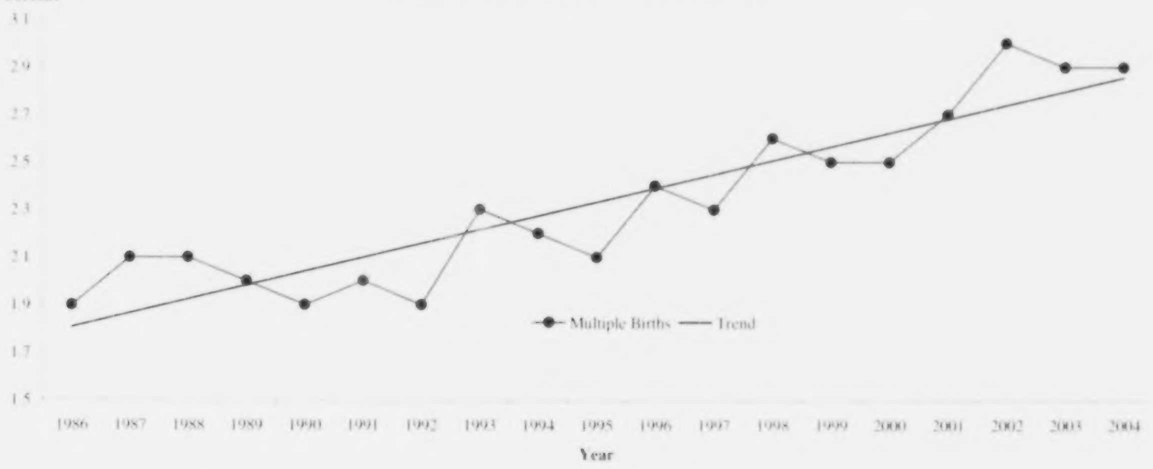
FIGURE 6
LIVE BIRTHS BY AGE OF MOTHER
BRITISH COLUMBIA, 1986–2004



HIGHLIGHTS TO FIGURE 6

- Mothers in B.C. are getting older. Mothers 35 and older (elderly gravida) comprised 21.4% of all mothers in 2004, the highest percentage ever for this group. In contrast teen mothers made up 3.5 per cent of all mothers, the lowest percentage ever for this group.
- The long term trend is for a higher percentage of elderly gravida and a lower percentage for teen mothers. Both trends are statistically significant at the 95% level.

FIGURE 7
MULTIPLE BIRTHS AS A PERCENTAGE OF LIVE BIRTHS
BRITISH COLUMBIA, 1986–2004



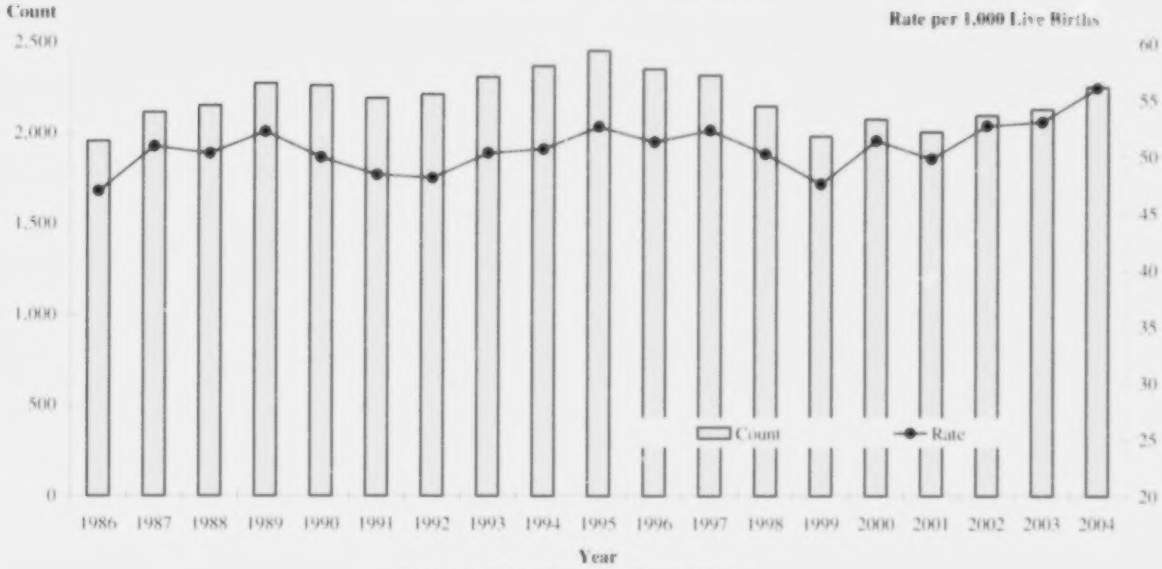
HIGHLIGHTS TO FIGURE 7

- Multiple births as a percentage of total live births have increased from 1.9% in 1986 to 2.9% in 2004. The upward trend is statistically significant at the 95% level.

FIGURE 8

LOW BIRTH WEIGHT LIVE BIRTHS

BRITISH COLUMBIA, 1986–2004



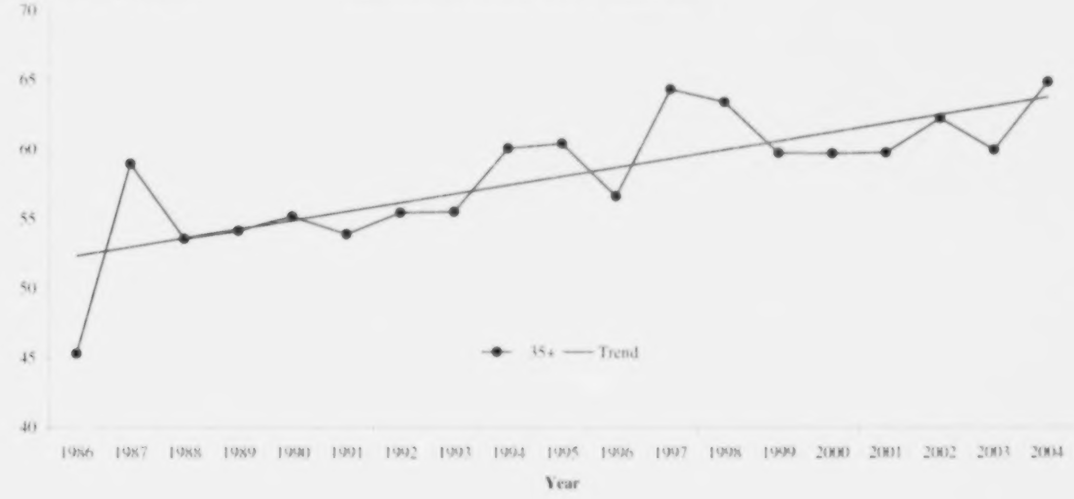
HIGHLIGHTS TO FIGURE 8

- There were 2,260 babies born weighing less than 2,500 grams in 2004 compared to 2,137 in 2003. The rate increased to 56.05 per 1,000 live births in 2004 from 53.04 per 1,000 live births in 2003.
- There is a statistically significant increasing trend in the rate of low birth weight babies over the period 1986-2004.

FIGURE 9

LOW BIRTH WEIGHT LIVE BIRTHS FOR MOTHERS AGED 35+

BRITISH COLUMBIA, 1986–2004



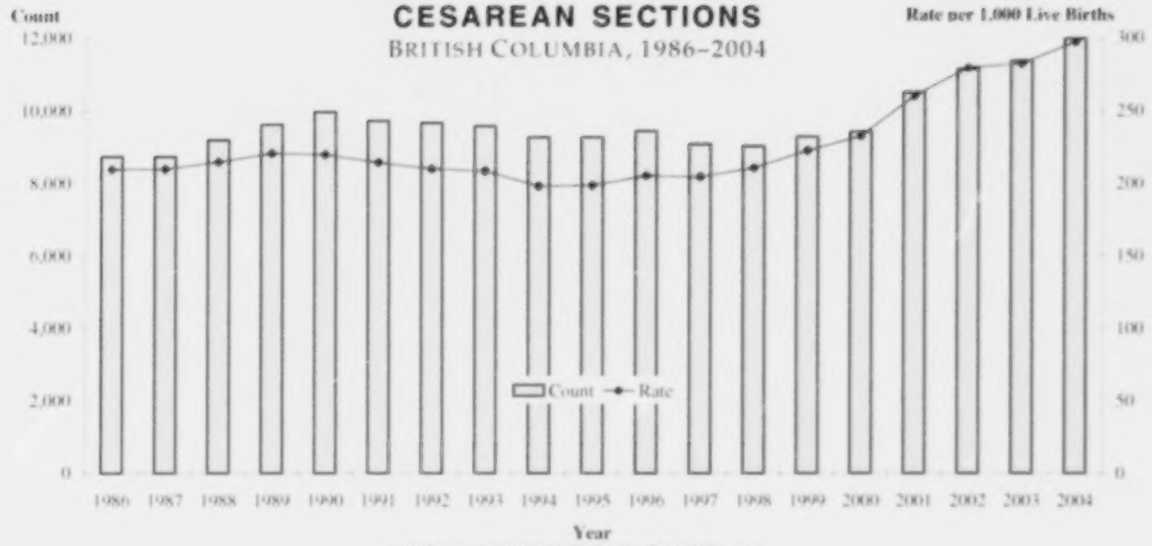
HIGHLIGHTS TO FIGURE 9

- In 2004 there were 64.89 low birth weight babies born for every 1,000 live births by an older mother, up from 59.99 in 2003.
- There is an upward trend in the percentage of low birth weight babies born to older mothers (statistically significant at the 95% level).

FIGURE 10

CESAREAN SECTIONS

BRITISH COLUMBIA, 1986–2004



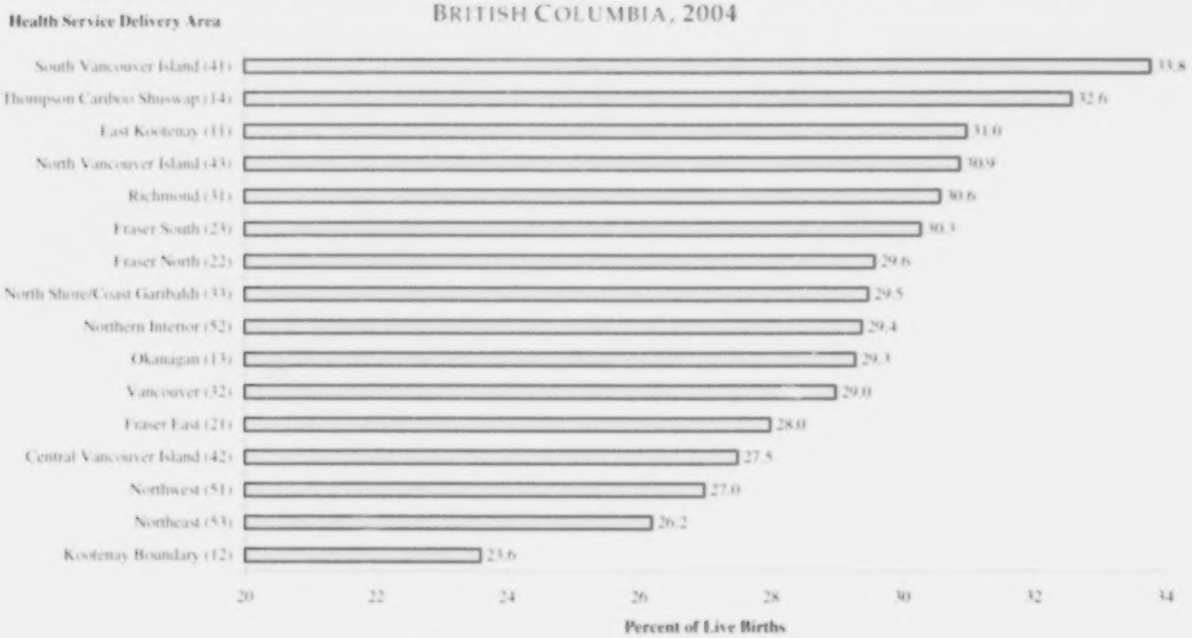
HIGHLIGHTS TO FIGURE 10

- There were 11,973 live births delivered by cesarean section in 2004, up from 11,368 in 2003. The rate of c-sections increased from 282.18 per 1,000 live births in 2003 to 296.96 per 1,000 live births in 2004.
- The upward trend in the rate of c-sections since 1986 is statistically significant (at the 95% level) and the trend appears to be accelerating in recent years.

FIGURE 11

CESAREAN SECTIONS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2004



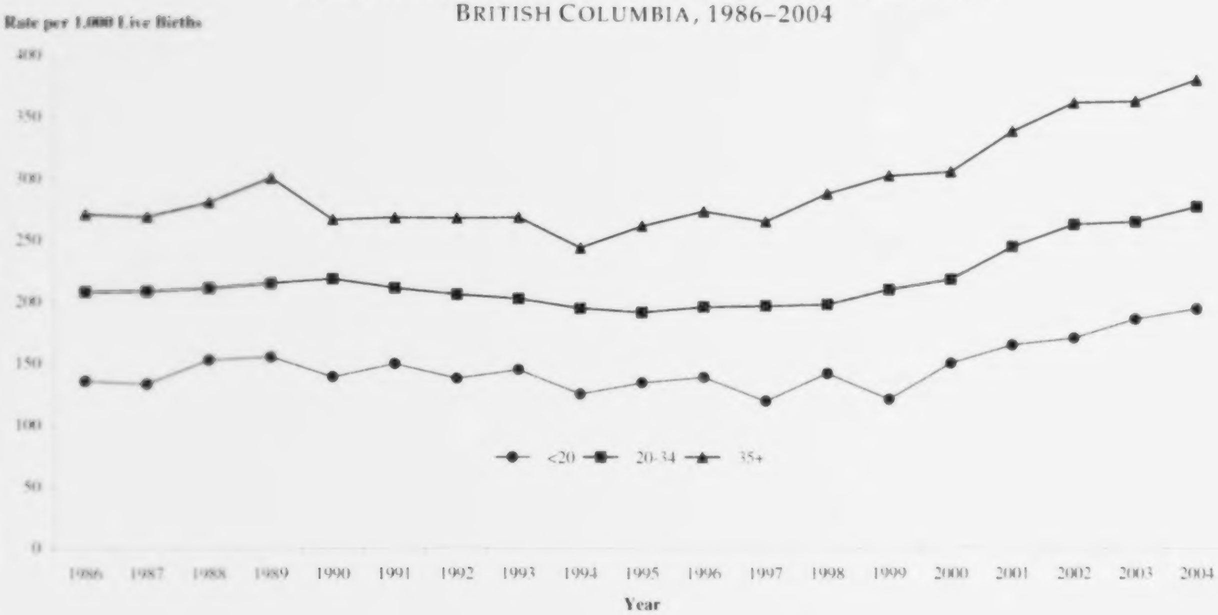
HIGHLIGHTS TO FIGURE 11

- The rate of c-section deliveries varies considerably across the province, ranging from a low of 23.6 per cent of live births in B.C. for mothers whose usual residence is HSDA 12 Kootenay Boundary to a high of 33.8 per cent of live births for mothers whose usual residence is in 41 South Vancouver Island. B.C. residents, especially those living in Kootenay Boundary, East Kootenay, and the Northeast HSDAs, may give birth in Alberta hospitals, resulting in an undercount of live births and c-section rates for these HSDAs.

FIGURE 12

CESAREAN SECTIONS BY AGE OF MOTHER

BRITISH COLUMBIA, 1986–2004



HIGHLIGHTS TO FIGURE 12

- Province wide, the rate of c-section births is much higher for mothers aged 35 or older (380.57 per 1,000 live births in 2004) than for other age groups (194.43 per 1,000 and 277.61 per 1,000 live births for the <20 and 20-34 year old mothers respectively). The rate for teen mothers is the lowest of the three categories considered.
- The trend is statistically significant (at the 95% level) for all mothers ages, that is, all ages show evidence that c-section rates are accelerating in recent years.

TABLE 4

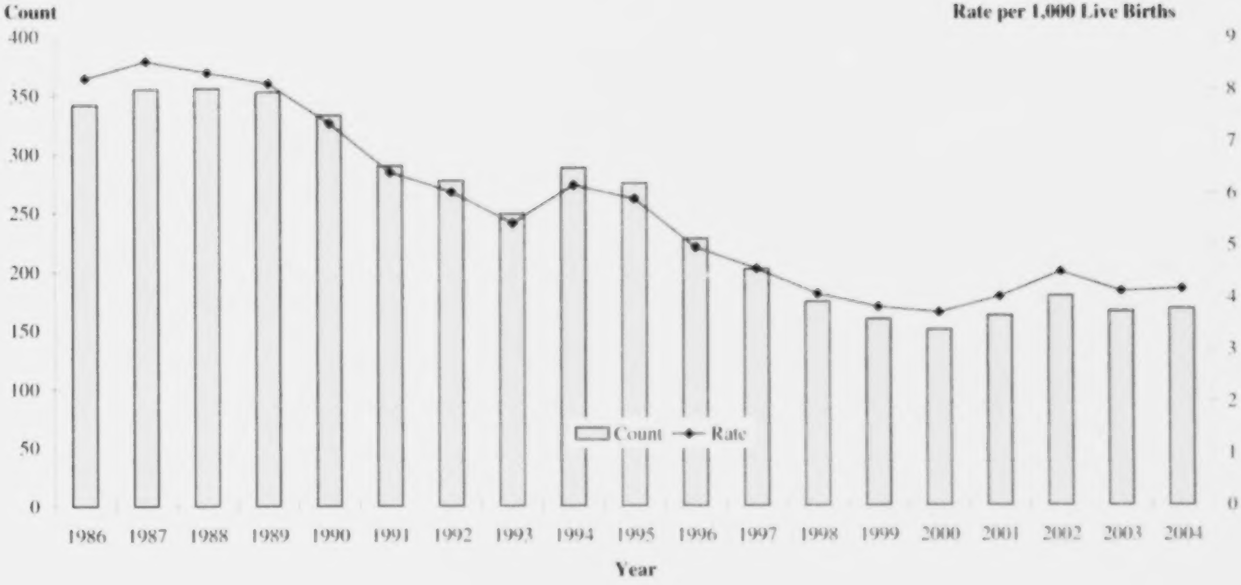
INFANT MORTALITY

BRITISH COLUMBIA AND CANADA, 1965–2004

	British Columbia Age at Death (in Days)									Canada
	0–6 Days		0–27 Days		28–364 Days			Total		
Year	Number	Rate	Number	Rate	Number	Rate	N.S.	Number	Rate	Rate
1965	415	12.33	453	13.45	227	6.74	3	683	20.29	24.0
1966	435	13.38	494	15.20	263	8.09	4	761	23.41	23.1
1967	429	13.04	470	14.29	218	6.63	1	689	20.94	22.0
1968	375	11.13	438	13.00	214	6.35	4	656	19.47	21.0
1969	329	9.30	374	10.57	199	5.62	-	573	16.19	19.0
1970	369	10.01	416	11.29	193	5.24	2	611	16.58	19.0
1971	409	11.74	450	12.91	185	5.31	-	635	18.22	17.5
1972	322	9.32	373	10.79	195	5.64	1	569	16.46	17.0
1973	317	9.23	363	10.57	185	5.39	3	551	16.04	16.0
1974	310	8.74	348	9.82	196	5.53	2	546	15.40	15.0
1975	278	7.66	321	8.85	169	4.66	1	491	13.53	14.3
1976	292	8.15	324	9.04	152	4.24	2	478	13.33	13.5
1977	246	6.70	276	7.52	200	5.45	-	476	12.97	12.4
1978	245	6.58	286	7.68	178	4.78	-	464	12.46	12.0
1979	196	5.10	239	6.22	167	4.35	-	406	10.56	10.9
1980	188	4.69	235	5.86	186	4.64	-	421	10.50	10.4
1981	232	5.57	259	6.21	140	3.36	3	402	9.65	9.6
1982	217	5.05	251	5.85	150	3.49	-	401	9.34	9.1
1983	193	4.48	212	4.92	145	3.37	2	359	8.34	8.5
1984	184	4.18	205	4.65	150	3.41	1	356	8.08	8.1
1985	180	4.19	198	4.61	133	3.09	-	331	7.70	8.0
1986	164	3.93	195	4.67	147	3.52	-	342	8.20	7.9
1987	159	3.82	195	4.69	160	3.85	-	355	8.53	7.3
1988	191	4.46	220	5.13	136	3.17	-	356	8.31	7.2
1989	186	4.27	215	4.93	138	3.17	-	353	8.10	7.3
1990	183	4.04	221	4.87	112	2.47	-	333	7.34	6.8
1991	140	3.09	164	3.62	126	2.78	-	290	6.40	6.4
1992	153	3.32	173	3.76	104	2.26	-	277	6.02	6.1
1993	121	2.63	139	3.02	110	2.39	-	249	5.42	6.3
1994	175	3.74	198	4.23	90	1.92	-	288	6.15	6.3
1995	158	3.38	181	3.88	94	2.01	-	275	5.89	6.1
1996	133	2.89	160	3.48	68	1.48	-	228	4.96	5.6
1997	125	2.82	146	3.29	56	1.26	-	202	4.55	5.5
1998	94	2.19	114	2.66	60	1.40	-	174	4.06	5.3
1999	87	2.08	108	2.59	51	1.22	-	159	3.81	5.3
2000	84	2.07	105	2.59	45	1.11	-	150	3.71	5.3
2001	103	2.55	126	3.12	36	0.89	-	162	4.01	5.2
2002	98	2.46	125	3.13	54	1.35	-	179	4.49	5.4
2003	103	2.56	119	2.95	47	1.17	-	166	4.12	*
2004	108	2.68	122	3.03	46	1.14	-	168	4.17	*

Note: Rates per 1,000 live births in the specified year.
N.S. - Not stated.
Above information includes late registrations and amendments.
Canadian rates from Statistics Canada.
*Rates were not available.
Non-residents are excluded.

FIGURE 13
INFANT MORTALITY
BRITISH COLUMBIA, 1986-2004



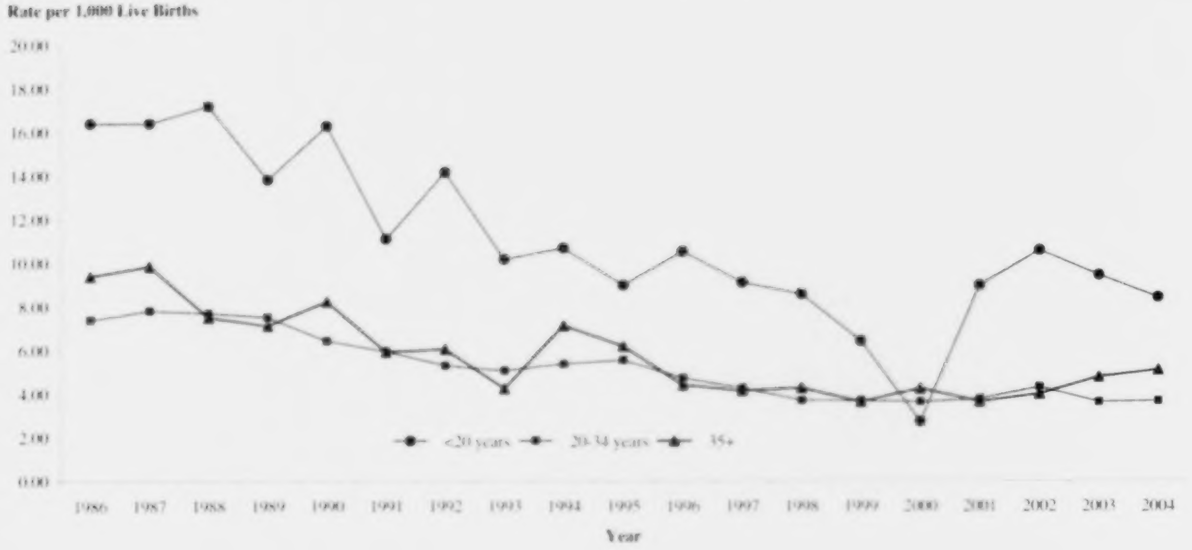
HIGHLIGHTS TO TABLE 4/FIGURE 13

- In 2004, there were 168 infant deaths (age at death less than one year) in the province, for an infant mortality rate of 4.17 per 1,000 live births. In 2003, there were 166 infant deaths and an infant mortality rate of 4.12 per 1,000 live births. The smallest numbers and lowest rates of infant mortality occurred in 1999 and 2000.
- The rate of infant deaths in the province has been on a downward trend (statistically significant at the 95% level).
- Infant mortality rates in B.C. have fallen dramatically to one fifth of the rates seen in 1965. Decreases in early neonatal mortality (age at death less than seven days) and neonatal mortality (age at death less than 28 days) have been major contributors to the overall decline in infant mortality rates over this time period. In Canada infant mortality rates have also fallen to approximately one fifth of the rates seen in 1965.
- Since 1992, the B.C. infant mortality rate has been consistently below the Canadian rate.

FIGURE 14

INFANT MORTALITY BY AGE OF MOTHER

BRITISH COLUMBIA, 1986–2004



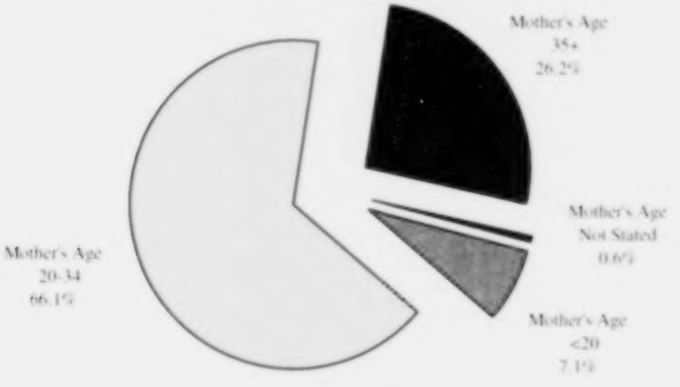
HIGHLIGHTS TO FIGURE 14

- Teen mothers had the highest rate of infant deaths in 2004 and every year since 1986 except for 2000.
- All three age groups(<20, 20-34 and 35+) are experiencing a downward trend in infant deaths (statistically significant at the 95% level).

FIGURE 15

PERCENTAGE OF INFANT MORTALITY BY AGE OF MOTHER

BRITISH COLUMBIA, 2004



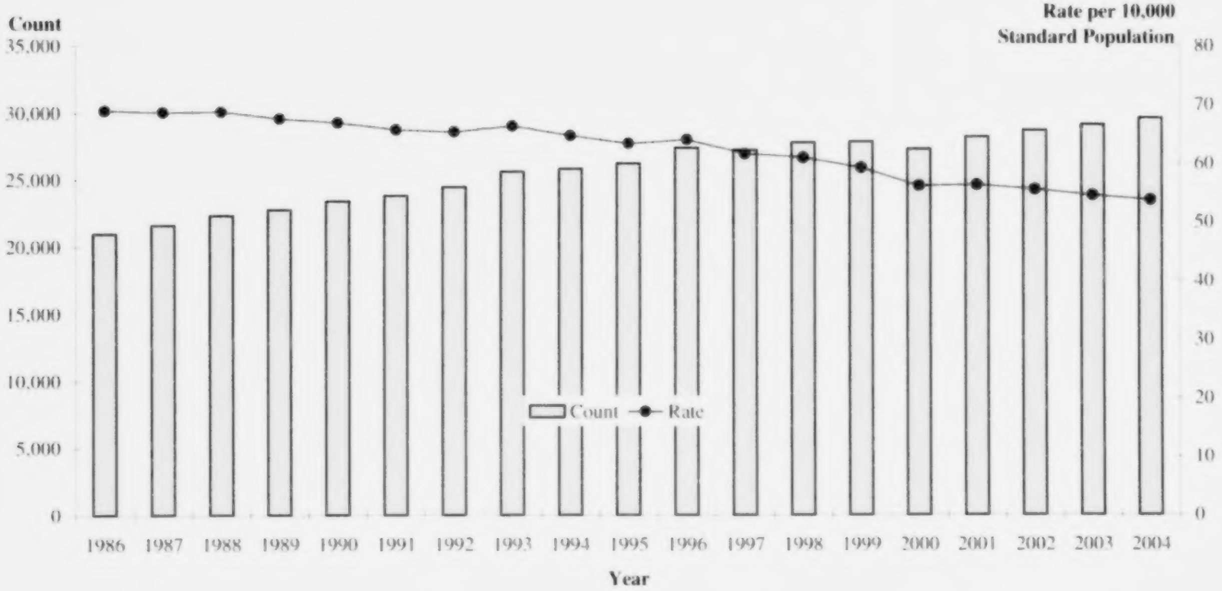
HIGHLIGHTS TO FIGURE 15

- Despite the relatively low rate of infant deaths among mothers aged 20-34, this group experienced two thirds (66.1%) of the infant deaths in 2004 because they are by far the largest age category of mother.
- Despite having the highest rate of infant death, teen mothers experienced only 7.1% of the infant deaths in the province because of the low number of teen mothers.

FIGURE 16

DEATHS AND DEATH RATES, ALL CAUSES OF DEATH

BRITISH COLUMBIA, 1986–2004



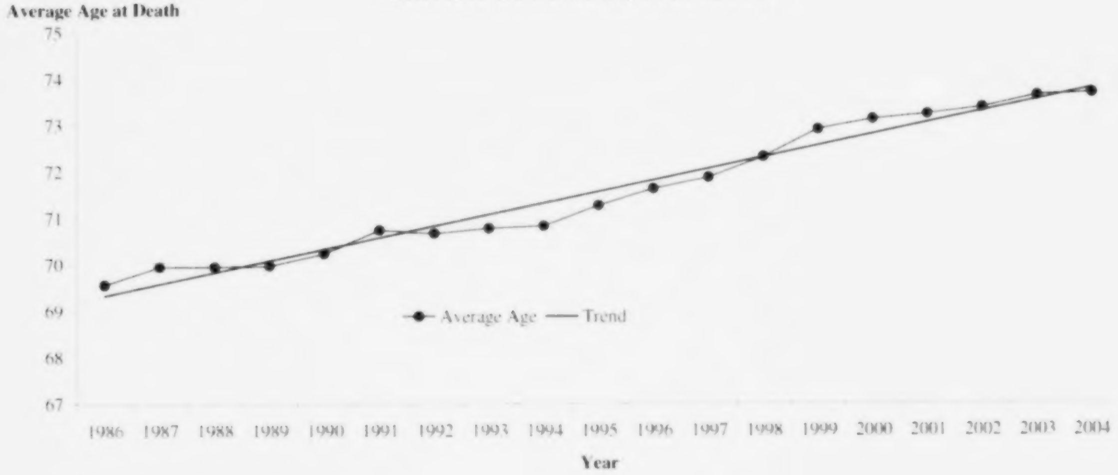
HIGHLIGHTS TO FIGURE 16

- There were 29,652 deaths of British Columbia residents in the province in 2004, up from 29,138 in 2003. Despite the increase in the number of deaths, an aging population allowed the Age Standardized Mortality Rate (ASMR) for all deaths to fall from 54.19 per 10,000 standard population in 2003 to 53.42 in 2004.
- The provincial ASMR has been on a downward trend (statistically significant at the 95% level) since 1986 and is currently at an historic low.

FIGURE 17

AVERAGE AGE AT DEATH

BRITISH COLUMBIA, 1986–2004



Based on 5 year age groups to 85+

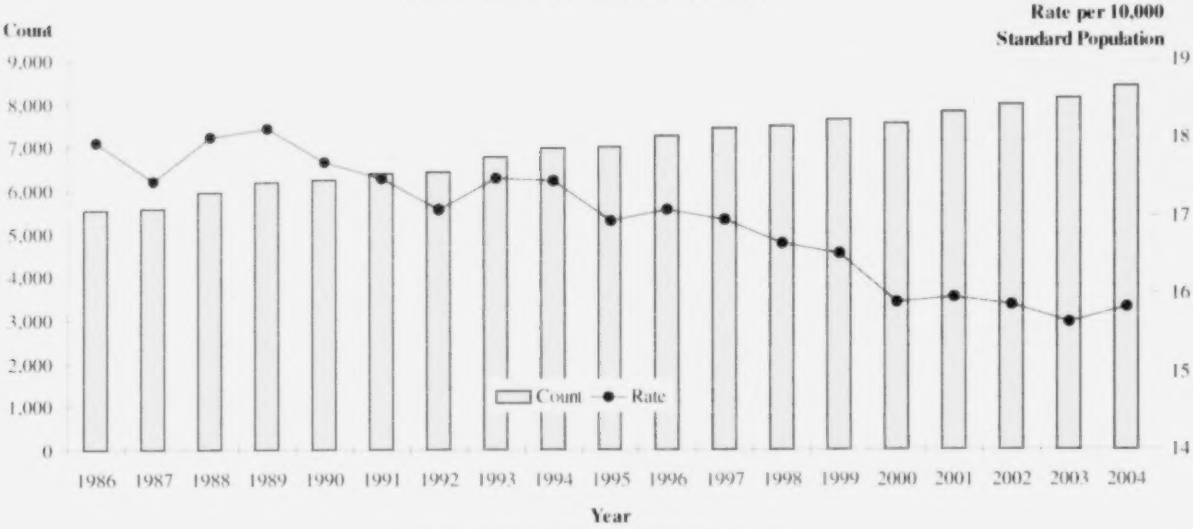
HIGHLIGHTS TO FIGURE 17

- The trend in average age at death (not life-expectancy) has seen the average age increase from 69.6 years in 1986 to 73.7 years in 2004 (statistically significant increasing trend at the 95% level).

FIGURE 18

DEATHS AND DEATH RATES, MALIGNANT NEOPLASMS (CANCER)

BRITISH COLUMBIA, 1986–2004



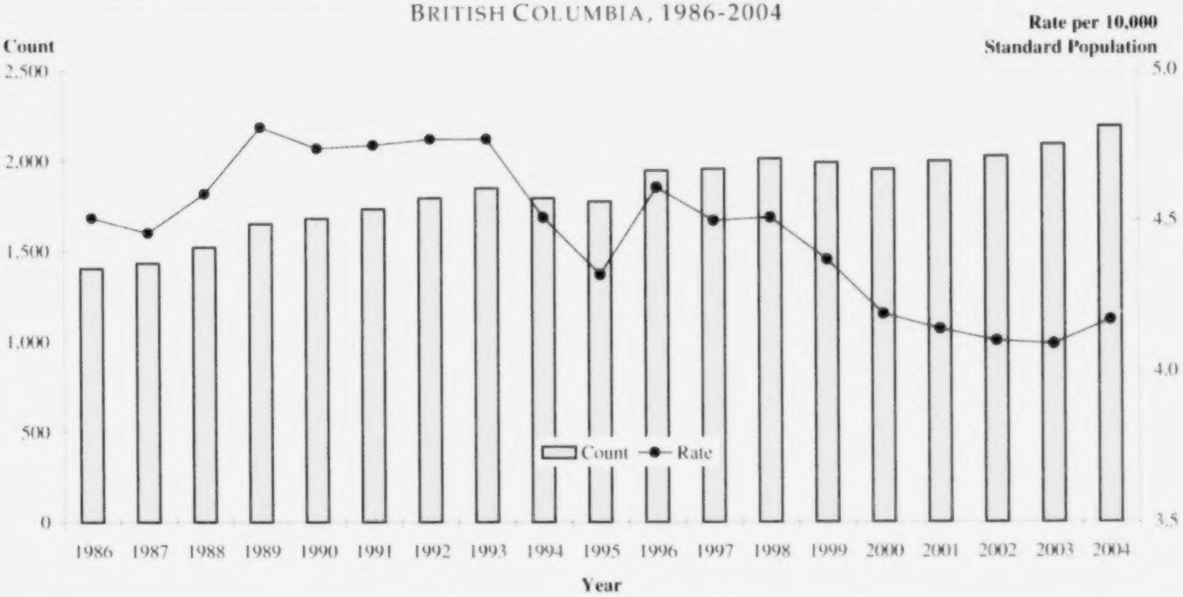
HIGHLIGHTS TO FIGURE 18

- The number of B.C. residents who died from malignant neoplasms (cancer) rose to 8,401 in 2004 from 8,108 in 2003. The ASMR for malignant neoplasms rose from 15.58 per 10,000 standard population in 2003 to 15.77 in 2004.
- Despite the current increase, there is a downward trend in the ASMR for cancer deaths (statistically significant at the 95% level).

FIGURE 19

DEATHS AND DEATH RATES, MALIGNANT NEOPLASM OF LUNG

BRITISH COLUMBIA, 1986-2004



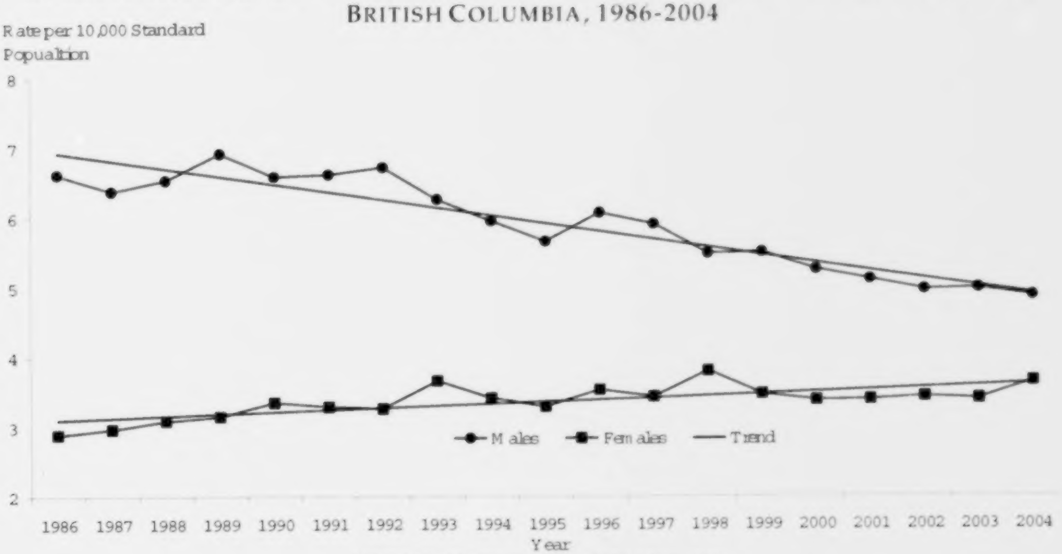
HIGHLIGHTS TO FIGURE 19

- Deaths from malignant neoplasm of lung (lung cancer) in 2004 increased to 2,188, up 102 from the 2,086 deaths in 2003. The ASMR was 4.17 per 10,000 standard population in 2004, up slightly from the rate in 2003 (4.08).
- The ASMR for malignant neoplasm of lung is on a downward trend (statistically significant at the 95% level) after being level in the early 1990s.

FIGURE 20

DEATH RATES BY GENDER, MALIGNANT NEOPLASM OF LUNG

BRITISH COLUMBIA, 1986-2004



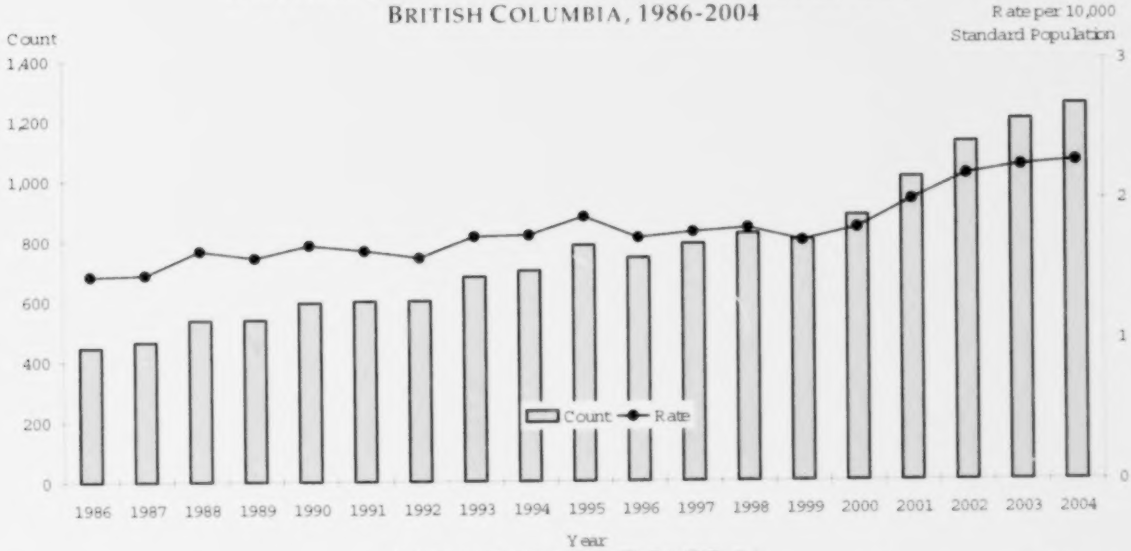
HIGHLIGHTS TO FIGURE 20

- The ASMR for malignant neoplasm of trachea and lung (lung cancer) in males in 2004 (4.86 per 10,000 standard population) was down slightly compared to the rate in 2003 (4.97), and the lowest since at least 1986. The downward trend in the ASMR for malignant neoplasm of lung in males is statistically significant at the 95% level.
- The ASMR for malignant neoplasm of lung for females in 2004 (3.65 per 10,000 standard population) was up compared to the rate in 2003 (3.40). The increasing trend in the ASMR for malignant neoplasm of lung in females is statistically significant at the 95% level.

FIGURE 21

DEATHS AND DEATH RATES, ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES

BRITISH COLUMBIA, 1986-2004



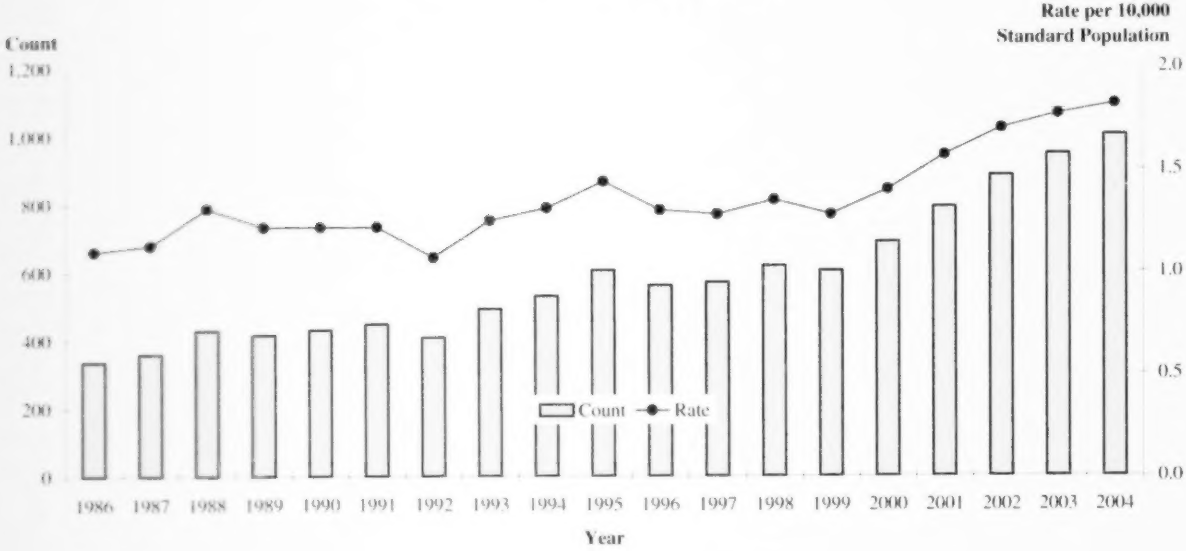
HIGHLIGHTS TO FIGURE 21

- There were 1,249 deaths from endocrine, nutritional, and metabolic disorders to B.C. residents in 2004. This was an increase of 50 from the 1,199 in 2003. The ASMR for endocrine, nutritional and metabolic disease was 2.23 per 10,000 standard population in 2003 and 2.26 in 2004.
- Endocrine, nutritional, and metabolic disease death rates are on an upward trend (statistically significant at the 95% level).

FIGURE 22

DEATHS AND DEATH RATES, DIABETES MELLITUS

BRITISH COLUMBIA, 1986–2004



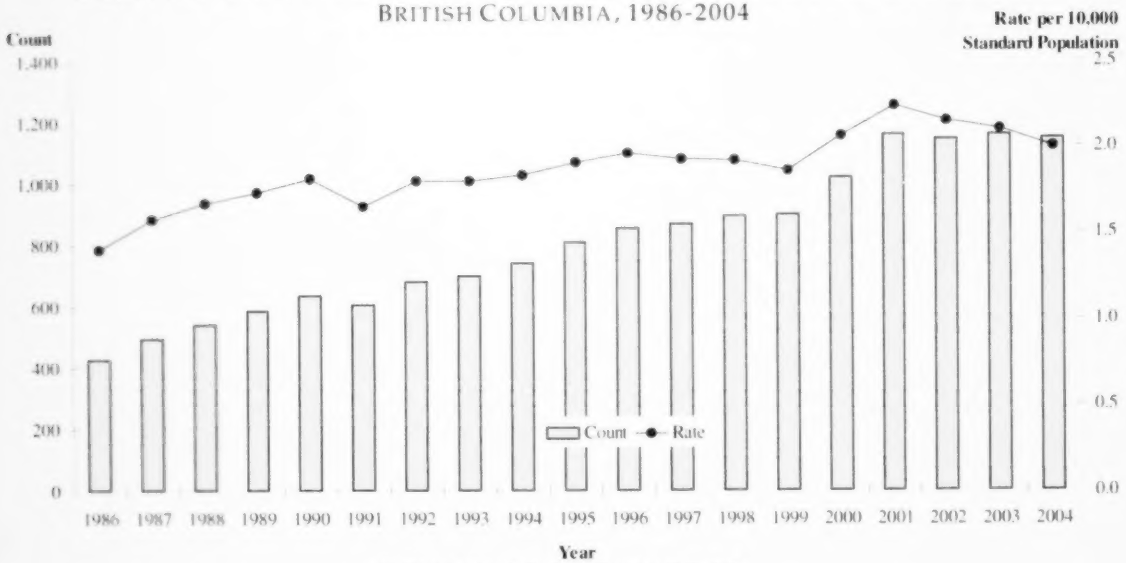
HIGHLIGHTS TO FIGURE 22

- In 2004, 80.1 % of the endocrine, nutritional, and metabolic disease deaths were due to diabetes. There were 1,001 deaths from diabetes in 2004 up from 946 in 2003. The ASMR for diabetes increased as well, from 1.76 per 10,000 standard population in 2003 to 1.81 in 2004.
- The long term upward trend in the ASMR from diabetes is statistically significant at the 95% level.

FIGURE 23

DEATHS AND DEATH RATES, NERVOUS SYSTEM DISEASES

BRITISH COLUMBIA, 1986-2004



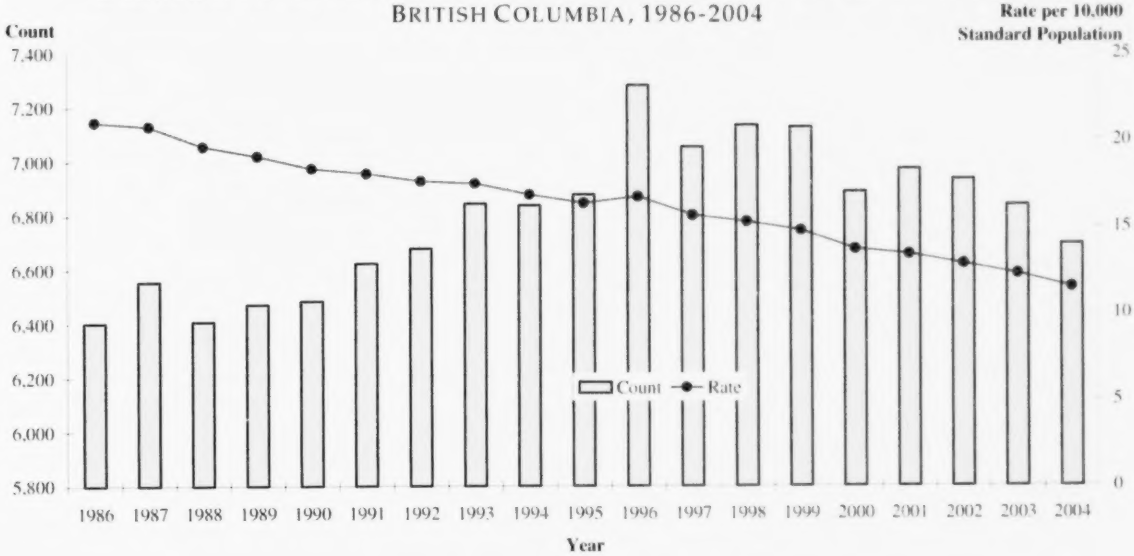
HIGHLIGHTS TO FIGURE 23

- The number of deaths from diseases of the nervous system decreased slightly to 1,148 deaths in 2004, from 1,157 in 2003. The ASMR decreased from 2.08 per 10,000 standard population in 2003 to 1.99 in 2004.
- Despite the current drop in the ASMR, there is an upward trend in the ASMR of diseases of the nervous system (statistically significant at the 95% level).

FIGURE 24

DEATHS AND DEATH RATES, CARDIOVASCULAR DISEASE

BRITISH COLUMBIA, 1986-2004



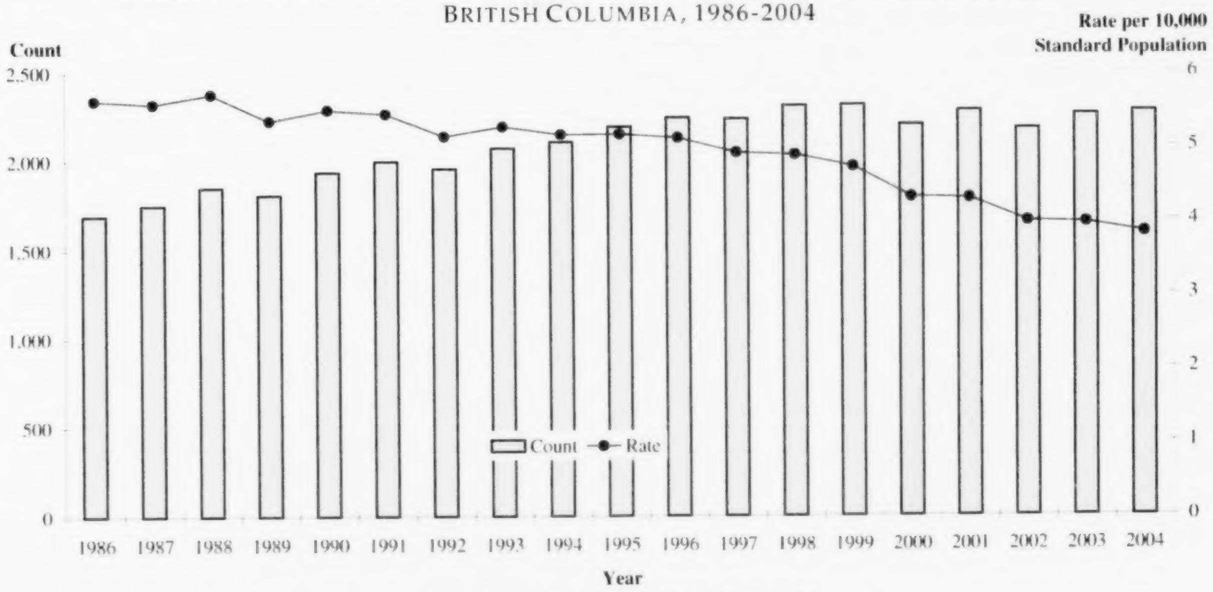
HIGHLIGHTS TO FIGURE 24

- There were 6,697 deaths from cardiovascular diseases in 2004, down from 6,840 in 2003. The ASMR for cardiovascular diseases also dipped from 12.14 per 10,000 standard population in 2003 to 11.38.
- The rate of deaths from cardiovascular diseases continues a downward trend (statistically significant at the 95% level), which has seen the ASMR drop each year from 21.02 per 10,000 standard population in 1986 to 11.38.

FIGURE 25

DEATHS AND DEATH RATES, CEREBROVASCULAR DISEASES

BRITISH COLUMBIA, 1986-2004



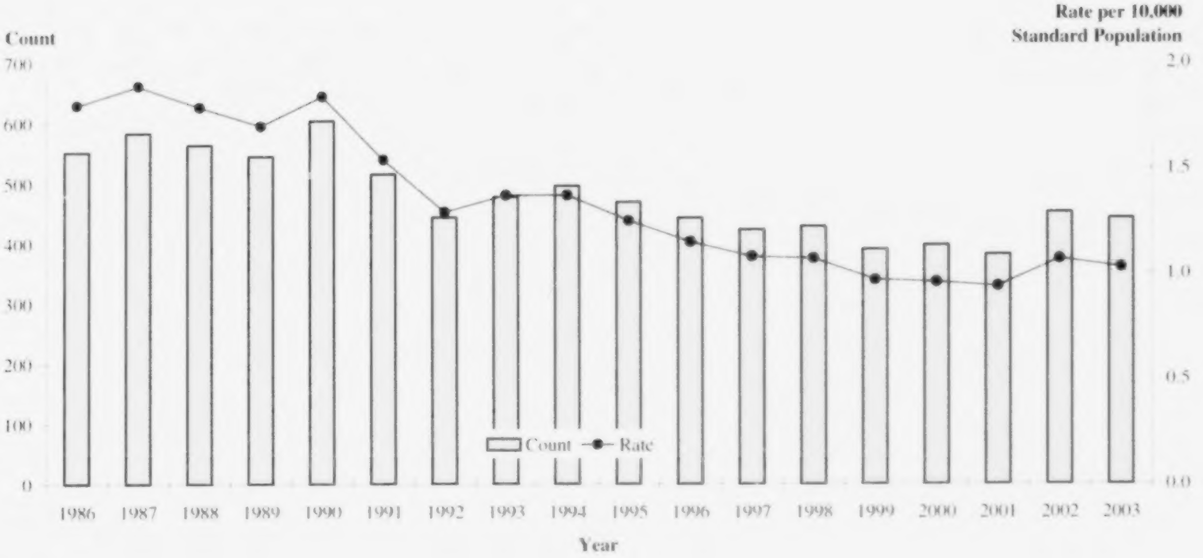
HIGHLIGHTS TO FIGURE 25

- There were 2,280 deaths from cerebrovascular diseases in 2004, up from 2,262 in 2003. The ASMR for cerebrovascular diseases in 2004 (3.79 deaths per 10,000 standard population) was down slightly from 2003 (3.91).
- There is a downward trend in the ASMR for cerebrovascular diseases over the period 1986-2004 (statistically significant at the 95% level).

FIGURE 26

DEATHS AND DEATH RATES, MOTOR VEHICLE ACCIDENTS

BRITISH COLUMBIA, 1986–2003*



Note: *Data for 2004 is not presented because of known delays in determining causes of death. This means that counts and rates for external causes of death calculated from current year data are known to be severe underestimates of the actual figures.

HIGHLIGHTS TO FIGURE 26

Data for 2004 are not presented because of known delays in determining causes of death. This means that counts and rates for external causes of death calculated from current year data are known to be severe underestimates of the actual figures.

- There were 442 deaths due to motor vehicle accidents (MVA) to B.C. residents in 2003, a decrease from 452 deaths in 2002. The ASMR for MVAs decreased to 1.03 per 10,000 standard population in 2003 from 1.07 in 2002.
- There is a long term downward trend in MVA death rates (statistically significant at the 95% level). The ASMR has dropped from 1.80 per 10,000 standard population in 1986 to 1.03 in 2003.

TABLE 5

AGE OF FIRST AND ALL MARRIAGES

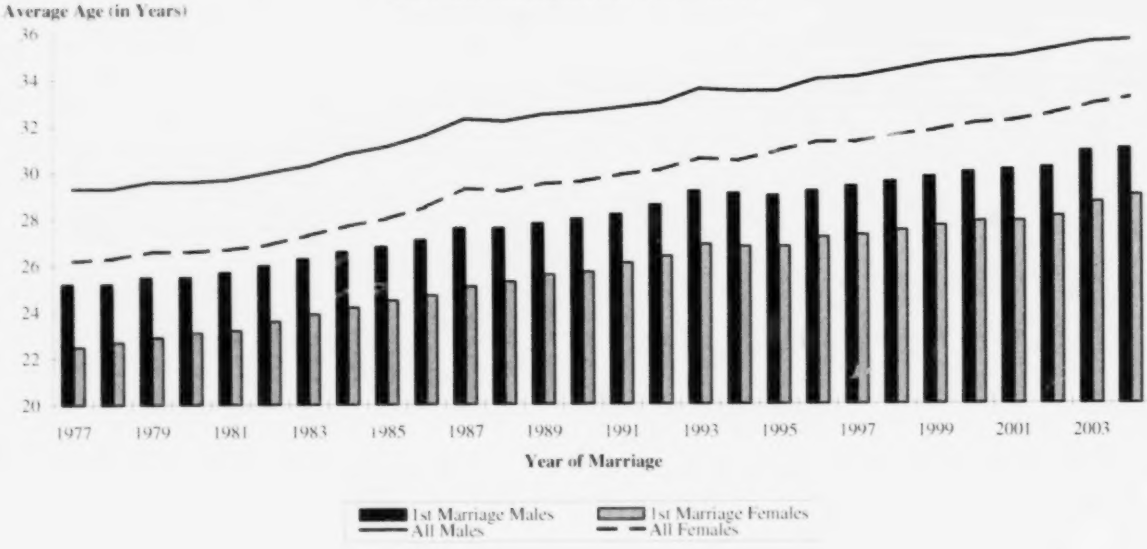
BRITISH COLUMBIA, 1977–2004

Year of Marriage	Average Age (in Years)			
	First Marriage		All Marriages	
	Males	Females	Males	Females
1977	25.2	22.5	29.3	26.2
1978	25.2	22.7	29.3	26.3
1979	25.5	22.9	29.6	26.6
1980	25.5	23.1	29.6	26.6
1981	25.7	23.2	29.7	26.7
1982	26.0	23.6	30.0	26.9
1983	26.3	23.9	30.3	27.3
1984	26.6	24.2	30.8	27.7
1985	26.8	24.5	31.1	28.0
1986	27.1	24.7	31.6	28.5
1987	27.6	25.1	32.3	29.3
1988	27.6	25.3	32.2	29.2
1989	27.8	25.6	32.5	29.5
1990	28.0	25.7	32.6	29.6
1991	28.2	26.1	32.8	29.9
1992	28.6	26.4	33.0	30.1
1993	29.2	26.9	33.6	30.6
1994	29.1	26.8	33.5	30.5
1995	29.0	26.8	33.5	30.9
1996	29.2	27.2	34.0	31.3
1997	29.4	27.3	34.1	31.3
1998	29.6	27.5	34.4	31.6
1999	29.8	27.7	34.7	31.8
2000	30.0	27.9	34.9	32.1
2001	30.1	27.9	35.0	32.2
2002	30.2	28.1	35.3	32.5
2003	30.9	28.7	35.6	32.9
2004	31.0	29.0	35.7	33.2

FIGURE 27

AGE OF FIRST AND ALL MARRIAGES

BRITISH COLUMBIA, 1977–2004



HIGHLIGHTS TO TABLE 5/FIGURE 27

- The average age of people getting married has climbed steadily since 1977. The average age of males who got married in B.C. in 2004 was 35.7 years old while females getting married averaged 33.2 years old.
- In recent decades, there has been a steady increase in the average age of first marriages (statistically significant for both males and females at the 95% level). Males marrying for the first time in 2004 were 5.8 years older than males marrying for the first time in 1977, while females were 6.5 years older than females marrying for the first time in 1977.
- The average age of people getting married has climbed steadily since 1977 (a statistically significant trend for both males and females at the 95% level). The average age of males who got married in B.C. in 2004 was 35.7 years old while females getting married averaged 33.2 years old.

TABLE 6

LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS BY MONTH

BRITISH COLUMBIA, 2004

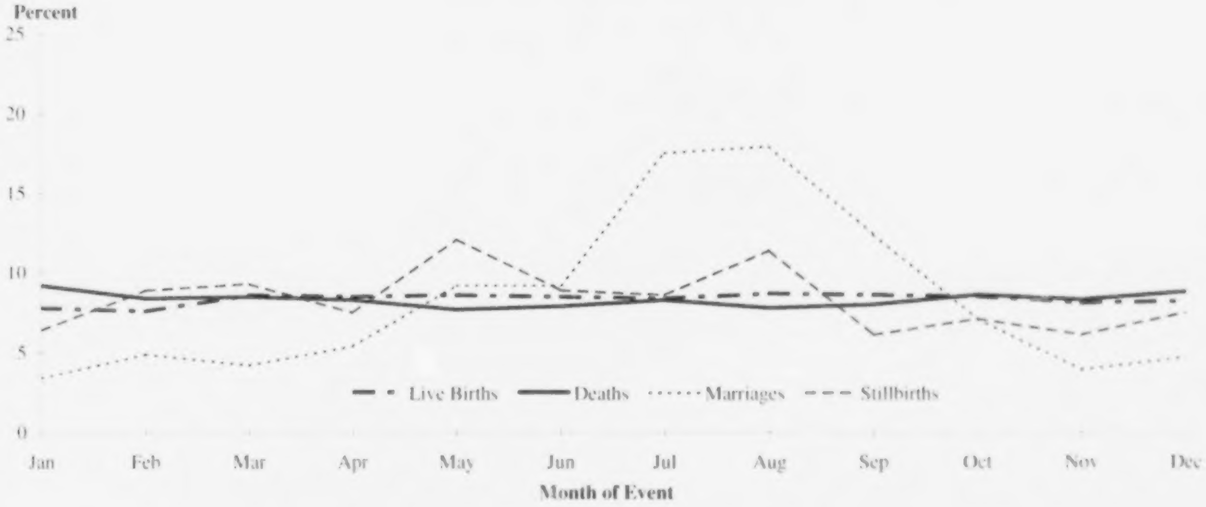
Month	Live Births		Deaths		Marriages		Stillbirths	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
January	3,156	7.8	2,741	9.2	757	3.4	18	6.4
February	3,054	7.6	2,505	8.4	1,088	4.9	25	8.9
March	3,472	8.6	2,533	8.5	932	4.2	26	9.3
April	3,431	8.5	2,466	8.3	1,201	5.4	21	7.5
May	3,448	8.6	2,296	7.7	2,029	9.2	34	12.1
June	3,407	8.5	2,357	7.9	2,040	9.2	25	8.9
July	3,403	8.4	2,458	8.3	3,872	17.5	24	8.6
August	3,500	8.7	2,312	7.8	3,948	17.9	32	11.4
September	3,450	8.6	2,380	8.0	2,737	12.4	17	6.1
October	3,441	8.5	2,541	8.6	1,572	7.1	20	7.1
November	3,254	8.1	2,453	8.3	852	3.9	17	6.1
December	3,302	8.2	2,610	8.8	1,045	4.7	21	7.5
Residents*	40,318	100.0	29,652	100.0	22,073	100.0	280	100.0
Non-residents	190		267		*		1	
TOTAL	**40,508**		**29,919**		**22,073**		**281**	

Note: Total percentage may not add up to 100 due to rounding.
*Marriage counts by month are based on event place and include non-residents.

FIGURE 28

LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS BY MONTH

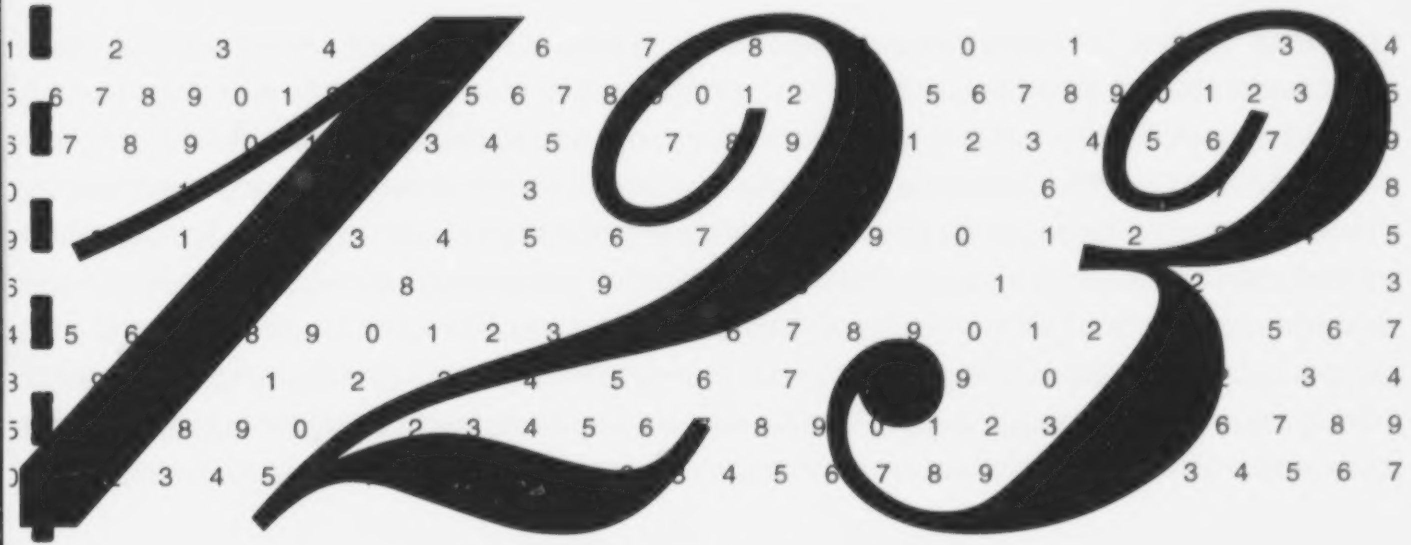
BRITISH COLUMBIA, 2004



HIGHLIGHTS TO TABLE 6/FIGURE 28

- Of vital events in the province, only marriages show a marked seasonal distribution. In 2004, the most popular month to marry was August, with 17.9% of the year's total marriages, followed by July, with 17.5% of the year's marriages. The majority of marriages (57.0%) occurred in the summer (June to September). January was the least popular month for marriages in 2004.
- Live births were fairly evenly distributed over the twelve months in 2004, although the winter months (November, December, January, and February) had the lowest numbers, and August had the highest numbers of live births.
- The highest number of deaths in 2004 occurred in January and the lowest number occurred in May.
- The largest number of stillbirths in 2004 occurred in May.

Birth-related Statistics



Vital Statistics Information Box

TOP 25 BABY NAMES IN 2004

Each year the British Columbia Vital Statistics Agency produces lists of the most chosen baby names. The table below provides the top 25 names. Alternate spellings of names that sound alike (such as Catherine, Katherine, and Kathryn) are not combined. The complete list for 2004, as well as a list for several previous years can be found at http://www.vs.gov.bc.ca/babynames/index.html. In 2004, 576 boysí names and 643 girlsí names were chosen for five or more newborns.

	Baby Boys		Baby Girls	
Rank	**Name**	**Number**	**Name**	**Number**
1	Ethan	332	Emma	281
2	Jacob	268	Emily	249
3	Matthew	259	Hannah	194
4	Ryan	234	Olivia	184
5	Joshua	227	Madison	162
6	Nathan	217	Sarah	162
7	Benjamin	192	Jessica	160
8	Alexander	191	Ella	153
9	Nicholas	186	Grace	142
10	Owen	181	Sophia	128
11	Daniel	166	Hailey	124
12	Liam	165	Isabella	122
13	Dylan	164	Abigail	117
14	Logan	158	Megan	115
15	Tyler	149	Samantha	114
16	Andrew	147	Lauren	109
17	Evan	147	Paige	107
18	Noah	147	Ava	103
19	William	147	Rachel	102
20	Samuel	145	Ashley	101
21	James	142	Chloe	100
22	Connor	140	Anna	99
23	Lucas	139	Taylor	94
24	Adam	126	Julia	93
25	Michael	126	Alyssa	91

Summary

Statistics arising from birth events in British Columbia are presented in this section. These events are assigned to a Local Health Area (LHA) based on the usual residence of the mother. Information is included on birth weight, gestational age, mode of delivery, maternal and paternal age, birth order, birth kind, complications of pregnancy and delivery, and perinatal complications. Maps depicting the variations in rates or ratios by LHA accompany several tables.

Statistics on birth events for 2004 are summarized below:

- There were 40,318 live births and 280 stillbirths in the province to B.C. residents. The live birth rate was 9.61 per 1,000 population (see Table 1); the stillbirth rate was 6.90 per 1,000 total births.
- The average age of B.C. women giving birth in 2004 was 29.9 years.
- Out of the 40,318 live births in 2004, only 1,165 (2.9%) were multiple births. There were 1,128 live born twins, and 37 triplets or more.
- Three fifths (60.0%) of live births in 2004 were delivered spontaneously. Almost one third of all live births (29.7%) were delivered by cesarean section (11,973) and almost two thirds of these (63.5%) were first cesareans (7,608). The 2004 cesarean section rate was 296.96 per 1,000 live births.
- There were 20,711 males (51.4%) and 19,606 females (48.6%) born in 2004.
- Almost nine out of ten live births (35,493) were delivered at term (from 37 to 41 weeks gestation) with normal birth weight (2,500 to 4,499 grams). These babies with "healthy" gestational ages and birth weights accounted for 88.0% of live births in 2004.
- There were 2,260 live births with low birth weight (less than 2,500 grams) and 3,080 pre-term (less than 37 weeks gestation) live births in 2004. A total of 1,644 babies (4.1%) were both pre-term and low birth weight; in of this group, approximately one in nine (175 births) had very low birth weight (less than 1,500 grams) and was extremely premature (less than 28 weeks gestation).
- Of live births to teenage mothers (less than 20 years of age), 91.6% had healthy birth weights, 6.0% had low and 2.5% had high birth weights. For mothers in the 40 or older age group, 90.4% of live births had healthy birth weights, 7.7% had low and 1.8% had high birth weights.
- In 2004, there were 2,260 live births with low birth weight (less than 2,500 grams). The provincial low birth weight (LBW) live birth rate was 56.05 per 1,000 live births.

TABLE 7

BIRTHS BY AGE OF MOTHER AND LIVE BIRTHS BY BIRTH ORDER

BRITISH COLUMBIA, 2004

Age of Mother	Birth Order										Total Live Births	Stillbirths	Total Births
	1	2	3	4	5	6	7	8	9+	N.S.			
<13	1	-	-	-	-	-	-	-	-	-	1	-	1
13	-	-	-	-	-	-	-	-	-	-	-	1	1
14	3	-	-	-	-	-	-	-	-	-	3	-	3
15	50	-	-	-	-	-	-	-	-	-	50	1	51
16	130	5	-	-	-	-	-	-	-	-	135	1	136
17	227	20	-	-	-	-	-	-	-	-	247	3	250
18	335	57	5	1	-	-	-	-	-	1	399	4	403
19	464	115	10	1	-	-	-	-	-	-	590	4	594
20	653	194	33	3	-	-	-	-	-	-	883	8	891
21	633	265	55	10	1	1	-	-	-	-	965	10	975
22	750	358	92	16	4	-	-	-	-	-	1,220	11	1,231
23	826	467	120	30	2	-	-	-	-	-	1,445	10	1,455
24	836	555	155	31	8	1	-	-	-	2	1,588	12	1,600
25	946	610	210	49	16	1	-	-	-	-	1,832	16	1,848
26	1,035	717	209	57	17	3	1	-	-	-	2,039	14	2,053
27	1,105	735	253	64	17	6	3	1	-	-	2,184	6	2,190
28	1,116	865	280	77	19	10	5	-	-	-	2,372	15	2,387
29	1,229	947	301	99	18	7	4	-	-	-	2,605	12	2,617
30	1,192	995	347	105	21	11	3	1	1	1	2,677	9	2,686
31	1,176	1,067	359	104	37	16	1	1	-	1	2,762	18	2,780
32	1,099	1,058	367	117	20	10	6	2	1	-	2,680	10	2,690
33	935	1,086	411	101	37	9	7	3	2	-	2,591	22	2,613
34	860	989	395	113	41	9	8	-	4	-	2,419	15	2,434
35	754	843	333	104	29	13	3	1	7	-	2,087	19	2,106
36	523	728	311	91	33	13	4	3	3	-	1,709	12	1,721
37	450	532	243	75	23	10	2	2	3	-	1,340	16	1,356
38	320	465	192	56	22	15	2	5	6	1	1,084	7	1,091
39	236	351	149	66	20	8	5	4	3	-	842	4	846
40	191	237	96	46	17	12	11	3	6	-	619	7	626
41	120	161	76	26	11	2	6	2	2	-	406	5	411
42	59	94	42	24	8	2	4	3	4	-	240	2	242
43	48	43	25	10	8	1	1	-	2	-	138	4	142
44	23	23	15	6	1	3	2	2	5	-	80	1	81
45+	23	26	21	3	3	4	2	2	1	-	85	1	86
N.S	1	-	-	-	-	-	-	-	-	-	1	-	1
TOTAL	**18,349**	**14,608**	**5,105**	**1,485**	**433**	**167**	**80**	**35**	**50**	**6**	**40,318**	**280**	**40,598**

Note: Birth order denotes the number of live births. Total includes unknown gender. Non-residents are excluded. N.S. – Not stated.

HIGHLIGHTS TO TABLE 7

- Of the 40,318 live births in 2004, almost half (45.5%) were first born (18,349), more than a third (36.2%) were second born (14,608), and about one in five (18.2%) was third born or greater (7,355).
- The average age of B.C. women giving birth in 2004 was 29.9 years. The average maternal age of first live births was 28.4 years, compared to 30.6 years for mothers of second live births and 32.0 years for mothers having their third or more live birth.
- In 2004, there were 1,425 live births to mothers younger than 20 years old, resulting in a teenage mother rate of 35.34 per 1,000 live births.
- There were 8,630 live births to mothers aged 35 or older in 2004. The elderly gravida rate has increased in recent years (see Figure 6); the 2004 rate was 214.05 per 1,000 live births.
- There were 280 stillbirths in 2004. Including stillbirths, there were 40,598 total births in 2004 to B.C. residents. The 2004 stillbirth rate was 6.90 per 1,000 total births.

TABLE 8

TOTAL LIVE BIRTHS BY AGE OF FATHER, AGE OF MOTHER AND OUT-OF-WEDLOCK

BRITISH COLUMBIA, 2004

Age of Father	Age of Mother (in Years)									Total	Percent
	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.		
< 15	-	3	-	1	-	-	-	-	-	4	-
15-19	1	304	74	3	-	1	-	-	-	383	0.9
20-24	-	494	1,816	445	84	21	1	-	-	2,861	7.1
25-29	-	186	2,192	4,300	1,112	156	15	-	-	7,961	19.7
30-34	-	53	807	3,979	6,202	1,128	105	2	-	12,276	30.4
35-39	-	17	270	1,218	3,894	3,154	354	8	-	8,915	22.1
40-44	-	6	72	341	1,067	1,728	572	14	-	3,800	9.4
45+	-	-	39	133	367	626	355	52	-	1,572	3.9
N.S.	3	358	831	612	403	248	81	9	1	2,546	6.3
TOTAL	**4**	**1,421**	**6,101**	**11,032**	**13,129**	**7,062**	**1,483**	**85**	**1**	**40,318**	
Percent	**0.0**	**3.5**	**15.1**	**27.4**	**32.6**	**17.5**	**3.7**	**0.2**	**0.0**		**100.0**
Out-of-Wedlock	**4**	**1,172**	**3,181**	**2,580**	**1,885**	**1,095**	**296**	**19**	**-**	**10,232**	

Note: Total percentage may not add up to 100 due to rounding. Total includes unknown gender.
Out-of-Wedlock - Indicates mother and father of child were not legally married to each other and excludes 1,823 cases where marital status was not stated.
Non-residents are excluded. N.S. – Not stated.

HIGHLIGHTS TO TABLE 8

- Out of 100 live births in 2004, approximately:
  - 4 were to teenage mothers, less than 20 years old (1,425)
  - 42 were to mothers 20 to 29 years old (17,133)
  - 50 were to mothers 30 to 39 years old (20,191)
  - 4 were to mothers 40 years of age or older (1,568)
- Out of 100 live births in 2004, approximately:
  - 1 was to a teenage father, less than 20 years old (387)
  - 27 were to fathers 20 to 29 years old (10,822)
  - 53 were to fathers 30 to 39 years old (21,191)
  - 13 were to fathers 40 years of age or older (5,372)
  - 6 did not include father's age (2,546)
- There were 308 live births (0.8%) where both parents were teenagers (less than 20 years of age) and 835 where only one of the parents was a teenager (2.1%).
- There were 993 live births (2.5%) where both parents were 40 years of age or older and 4,864 births where only one of the parents was 40 years or older (12.1%).
- One quarter (25.4%) of the live births in 2004 were reported as out-of-wedlock (10,232). The number of out-of-wedlock births may actually be higher since births where it was not known if the parents were married to each other have not been included.

TABLE 9

LIVE BIRTHS BY AGE OF MOTHER AND KIND OF BIRTH

BRITISH COLUMBIA, 2004

Age of Mother	Kind of Birth			Total
	Single	Twin	Triplets+	
< 15	4	-	-	4
15-19	1,393	28	-	1,421
20-24	5,957	138	6	6,101
25-29	10,779	253	-	11,032
30-34	12,750	360	19	13,129
35-39	6,772	284	6	7,062
40-44	1,422	58	3	1,483
45 +	75	7	3	85
N.S.	1	-	-	1
TOTAL	**39,153**	**1,128**	**37**	**40,318**

Note: For the multiple births which include stillbirths, only live births are shown in this table.Triplets+ : included in this column are the live births from multiple births of three or more. Total includes unknown gender. Non-residents are excluded. N.S.- Not stated.

HIGHLIGHTS TO TABLE 9

- Out of the 40,318 live births in 2004, only 1,165 (2.9%) were multiple births.
- Of all live births in 2004:
  - almost all (97.1%) were singletons (39,153)
  - one baby in 36 live births was a twin (1,128 twins)
  - one baby in 1,090 live births was from a set of three or more (37 triplets or greater)
- Older mothers, 35 years of age or older, had the highest proportion of multiple births; 361 births or 4.2% of live births to these mothers were multiple births. The 776 multiple births to mothers aged 20 to 34 years accounted for 2.6% of births to mothers in this age group. The lowest proportion of multiple births was to teenage mothers; the 28 twins born to teens accounted for 2.0% of births to mothers in this age group.

Vital Statistics Information Box

MOST POPULAR BABY NAMES IN BRITISH COLUMBIA IN THE 20TH CENTURY

Robert, David, and Michael were the most popular names for boys born in British Columbia in the 20th century (1901-2001); Jennifer, Mary, and Margaret were the most popular names for girls. Girls had a wider selection of names; nearly 170 different names for girls were registered over the last century (based on names chosen for 10 or more babies), compared to just over 100 names for boys. Over the last 25 years, the number of new names has increased substantially and the turnover among popular names has accelerated. Historically, there has been less continuity among names for girls than among names for boys, that is, fashionable names for girls changed more frequently over time. In 2004, eight names, Andrew, Daniel, James, Joshua, Matthew, Michael, Ryan, and William, appeared that were also on the most chosen list of 20th century names for boys, and the girls' list included four popular names from the last century, Ashley, Emily, Jessica, and Sarah.

	Baby Boys		Baby Girls	
Rank	Name	Number	Name	Number
1	Robert	38,296	Jennifer	14,185
2	David	34,725	Mary	13,578
3	Michael	32,852	Margaret	11,010
4	John	32,751	Patricia	10,812
5	James	29,961	Linda	9,804
6	William	27,167	Sarah	9,724
7	Christopher	17,225	Susan	9,348
8	Richard	16,647	Barbara	9,286
9	Daniel	14,840	Jessica	9,006
10	Matthew	12,534	Karen	8,986
11	Ryan	12,325	Sandra	8,364
12	Kenneth	12,166	Nicole	8,198
13	Donald	11,855	Michelle	8,031
14	Kevin	10,744	Lisa	7,922
15	Andrew	9,733	Amanda	7,362
16	Brian	9,667	Elizabeth	6,967
17	Ronald	9,494	Ashley	6,142
18	Jason	9,358	Donna	6,135
19	Thomas	9,294	Sharon	6,053
20	Steven	8,743	Heather	6,018
21	George	8,594	Kathleen	5,807
22	Douglas	8,451	Dorothy	5,149
23	Gordon	8,405	Deborah	4,992
24	Mark	7,715	Emily	4,955
25	Joshua	6,821	Carol	4,925

Table prepared by P. A. Dunae, T. Blogg, and A. Speed, Malaspina University-College.

Table 10

LIVE BIRTH FERTILITY RATES BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1999–2003 AND 2004

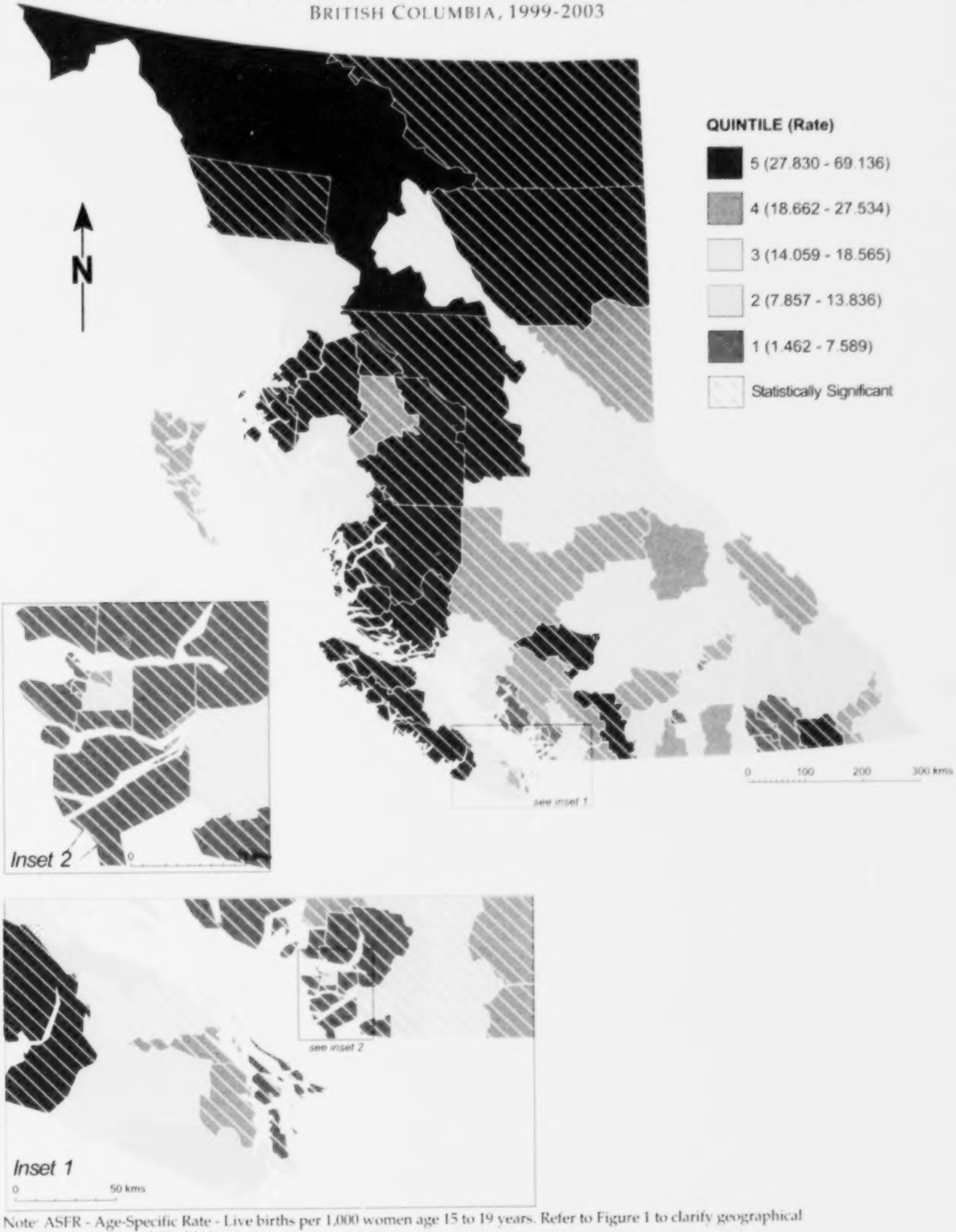
		1999–2003 Teenage Fertility Rate (15–19 yrs)			2004 ASFR[1]						TFR[2]	
Local	Health Area	Observed	ASFR[1]	(p)	15–19	20–24	25–29	30–34	35–39	40–44	Rate	(p)
001	Fernie	40	13.84		15.65	42.55	104.71	68.35	31.48	3.79	1,332.71	
002	Cranbrook	115	22.74	*	18.04	53.87	70.49	72.08	23.34	0.95	1,193.84	*
003	Kimberley	19	13.65		12.10	32.85	58.82	80.19	43.33	5.14	1,162.15	
004	Windermere	23	13.11		12.12	33.59	100.75	55.56	25.86	6.55	1,172.14	
005	Creston	97	44.45	*	21.74	84.47	123.40	69.09	26.16	4.41	1,646.36	
006	Kootenay Lake	7	10.84		30.93	60.61	156.25	123.60	50.42	7.94	2,148.68	*
007	Nelson	31	6.44	*	2.24	40.33	113.40	118.04	42.05	8.33	1,621.99	*
009	Castlegar	19	7.45	*	-	30.02	67.23	77.56	30.08	-	1,024.42	*
010	Arrow Lakes	8	9.78		13.25	63.95	65.69	77.52	15.87	5.03	1,206.55	
011	Trail	30	7.30	*	4.13	36.68	81.53	59.79	33.07	7.23	1,112.20	*
012	Grand Forks	24	14.55		26.23	53.51	139.39	52.94	61.95	10.84	1,724.32	
013	Kettle Valley	13	20.93		-	68.97	176.47	154.76	11.63	7.58	2,097.01	
014	Southern Okanagan	34	13.47		11.24	52.04	123.81	70.00	25.70	3.36	1,430.74	
015	Penticton	117	18.27	*	7.70	40.46	81.36	74.42	25.10	3.06	1,160.55	*
016	Keremeos	13	20.00		9.52	41.67	114.58	30.61	51.47	6.02	1,269.40	
017	Princeton	7	9.59		19.87	46.88	71.43	44.44	29.63	-	1,061.23	
018	Golden	28	20.74	*	4.33	52.81	64.36	45.98	26.87	5.41	998.69	*
019	Revelstoke	27	17.43		-	61.86	148.15	84.68	34.68	10.42	1,698.90	
020	Salmon Arm	50	8.79	*	10.68	41.60	63.69	83.44	28.39	6.66	1,172.32	*
021	Armstrong - Spallumcheen	15	7.15	*	5.38	35.71	124.00	78.05	19.61	4.41	1,335.76	
022	Vernon	125	11.49		13.88	43.46	104.25	86.66	41.29	3.61	1,465.74	
023	Central Okanagan	313	12.15		9.28	40.35	84.13	90.12	32.85	5.57	1,311.58	*
024	Kamloops	259	14.06		11.59	48.92	88.03	77.43	33.33	5.84	1,325.69	
025	100 Mile House	41	14.27		10.85	43.56	182.86	70.92	26.87	4.88	1,699.71	
026	North Thompson	21	20.19		25.13	65.22	118.64	70.97	8.62	4.90	1,467.39	
027	Cariboo - Chilcotin	159	27.25	*	18.00	56.60	87.70	90.29	20.11	7.86	1,402.89	
028	Quesnel	94	18.02	*	18.00	66.27	95.17	60.48	27.37	1.88	1,345.87	
029	Lillooet	39	38.77	*	13.45	75.27	145.04	67.16	34.48	4.33	1,698.68	
030	South Cariboo	27	18.23		32.73	63.12	61.11	43.72	20.49	3.40	1,122.85	
031	Merritt	47	20.12	*	16.53	62.34	104.17	71.62	26.00	3.94	1,423.04	
032	Hope	50	31.08	*	32.47	46.36	100.59	109.38	30.61	2.79	1,610.99	
033	Chilliwack	299	22.72	*	23.85	73.74	127.13	112.25	34.74	5.65	1,886.84	*
034	Abbotsford	369	17.02	*	9.98	72.84	135.28	98.60	31.84	7.16	1,778.51	*
035	Langley	211	10.03	*	6.59	41.61	107.19	119.81	47.50	7.54	1,651.11	*
037	Delta	109	5.86	*	2.61	34.77	97.32	113.73	50.13	10.28	1,544.28	*
038	Richmond	100	3.57	*	3.29	13.77	55.21	96.53	55.60	11.53	1,179.60	*
040	New Westminster	125	18.76	*	7.89	45.64	82.33	74.25	47.37	10.30	1,338.88	
041	Burnaby	234	7.59	*	5.57	21.75	66.26	92.45	55.21	9.48	1,253.54	*
042	Maple Ridge	150	10.35	*	6.20	35.22	111.64	130.21	42.25	6.95	1,662.40	*
043	Coquitlam	245	7.15	*	6.09	25.29	76.30	102.11	53.52	7.62	1,354.67	
044	North Vancouver	91	4.34	*	1.91	18.94	53.49	122.37	75.84	12.49	1,425.20	
045	West Vancouver - Bowen Is.	15	1.86	*	1.77	5.86	13.37	117.99	74.16	18.10	1,156.28	*
046	Sunshine Coast	35	7.33	*	5.81	24.64	61.71	83.60	42.42	1.81	1,099.94	*
047	Powell River	47	13.39		17.11	43.96	80.49	78.24	25.00	3.56	1,241.79	
048	Howe Sound	82	18.66	*	11.33	51.09	73.40	86.99	64.21	13.60	1,503.07	
049	Bella Coola Valley	30	41.49	*	65.79	142.86	131.58	88.00	16.13	7.14	2,257.49	*
050	Queen Charlotte	22	27.53	*	32.68	73.53	111.94	119.27	37.82	-	1,876.15	*
051	Snow Country	2	16.26		66.67	34.48	62.50	24.39	-	-	940.20	
052	Prince Rupert	128	39.14	*	46.06	43.33	90.74	67.37	31.34	4.13	1,414.84	
053	Upper Skeena	54	46.43	*	58.14	108.43	70.18	59.41	30.19	4.22	1,652.81	
054	Smithers	75	20.37	*	21.62	94.86	141.45	68.39	28.45	11.49	1,831.32	*
055	Burns Lake	44	27.83	*	28.75	83.89	111.65	95.44	30.41	6.62	1,783.80	*
056	Nechako	98	27.83	*	29.08	100.95	125.26	86.12	24.45	4.18	1,850.19	*
057	Prince George	377	18.56	*	17.78	58.74	93.49	74.00	28.53	3.70	1,381.18	
059	Peace River South	132	26.68	*	14.99	99.55	114.32	53.05	18.60	0.85	1,506.86	
060	Peace River North	203	33.40	*	22.45	112.43	171.88	93.84	31.90	7.66	2,200.75	*
061	Greater Victoria	317	10.86	*	6.99	31.56	58.36	79.87	45.43	9.76	1,159.86	*
062	Sooke	114	11.75		10.13	41.39	107.40	133.80	40.23	8.36	1,706.56	*
063	Saanich	70	7.31	*	10.85	24.55	63.40	108.34	50.16	5.60	1,314.49	
064	Gulf Islands	15	6.82	*	2.30	23.06	49.18	98.98	41.06	10.46	1,125.16	*
065	Cowichan	215	22.14	*	18.07	61.53	95.63	109.09	28.16	7.96	1,602.23	*
066	Lake Cowichan	22	17.83		21.83	54.62	101.45	80.54	17.94	3.61	1,399.95	
067	Ladysmith	64	22.60	*	22.18	47.62	131.66	91.33	26.22	3.11	1,610.65	
068	Nanaimo	271	16.30	*	11.09	50.27	81.28	84.34	31.66	5.90	1,322.69	
069	Qualicum	65	11.67		5.98	39.52	63.93	80.90	28.52	6.31	1,125.79	*
070	Alberni	163	29.78	*	29.38	75.32	103.18	68.02	29.20	3.80	1,544.59	
071	Courtenay	170	15.70	*	18.37	35.91	96.19	84.38	35.84	6.38	1,385.40	
072	Campbell River	140	18.57	*	17.25	51.66	115.18	69.91	20.63	2.28	1,384.54	
075	Mission	133	17.96	*	15.66	69.66	121.95	119.68	33.17	5.92	1,830.13	*
076	Agassiz - Harrison	36	26.14	*	29.80	79.55	136.36	140.70	51.72	9.90	2,240.20	*
077	Summerland	11	5.17	*	7.61	18.26	60.15	84.44	57.63	5.84	1,169.69	
078	Enderby	32	21.86	*	30.65	52.12	108.84	70.18	20.83	6.08	1,443.50	
080	Kitimat	42	15.92		9.62	56.91	121.34	64.52	22.22	5.79	1,401.97	
081	Fort Nelson	42	31.16	*	29.85	107.91	116.73	83.59	43.64	4.05	1,928.86	*
083	Central Coast	15	42.61	*	50.63	76.92	214.29	61.54	14.49	-	2,089.36	
084	Vancouver Island West	20	38.46	*	60.87	104.65	125.00	108.11	33.56	6.99	2,195.89	*
085	Vancouver Island North	119	40.30	*	33.22	98.21	143.77	47.62	20.83	8.13	1,758.95	*
087	Stikine	8	38.46		34.48	45.45	-	20.41	-	-	501.73	*
088	Terrace	123	28.30	*	25.44	76.07	118.12	68.75	29.41	5.25	1,615.26	*
092	Nisgaia	28	69.14	*	81.08	86.96	117.65	98.36	37.04	-	2,105.41	
094	Telegraph Creek	7	58.82	*	-	50.00	117.65	64.52	57.14	27.03	1,581.67	
161	Vancouver - City Centre	25	4.36	*	2.25	11.13	22.36	40.57	33.93	13.55	618.90	*
162	Vancouver - Downtown E.side	95	21.70	*	21.79	50.77	59.24	56.61	36.02	9.61	1,170.17	*
163	Vancouver - North East	106	7.86	*	3.95	30.79	70.07	93.06	57.76	12.29	1,339.54	
164	Vancouver - Westside	27	1.46	*	0.53	4.99	22.77	77.02	70.65	13.91	949.30	*
165	Vancouver - Midtown	128	12.65		8.91	34.67	69.38	83.50	50.31	11.43	1,290.98	*
166	Vancouver - South	117	5.65	*	3.42	23.78	67.59	87.27	61.41	13.55	1,285.03	*
201	Surrey	726	14.45	*	12.01	75.92	149.62	99.25	44.12	7.77	1,943.48	*
202	South Surrey/White Rock	33	3.11	*	0.46	17.89	75.43	142.39	72.19	10.05	1,592.03	*
	PROVINCIAL TOTAL	**8,670**	**12.90**		**10.47**	**42.13**	**82.49**	**88.95**	**44.46**	**8.26**	**1,383.84**	

Notes for this table follow highlight notes.

FIGURE 29

LIVE BIRTH TEENAGE FERTILITY RATES BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1999-2003


N
QUINTILE (Rate)
5 (27.830 - 69.136)
4 (18.662 - 27.534)
3 (14.059 - 18.565)
2 (7.857 - 13.836)
1 (1.462 - 7.589)
Statistically Significant
0
100
200
300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0
50 kms

Note: ASFR - Age-Specific Rate - Live births per 1,000 women age 15 to 19 years. Refer to Figure 1 to clarify geographical location of Local Health Area

HIGHLIGHTS TO TABLE 10/FIGURE 29

- The Province's 2004 Total Fertility Rate (TFR) was 1,383.84 births per 1,000 women of childbearing age (15 to 44 years of age). See the Glossary for a definition of total fertility rates.
- There were 23 Local Health Areas (LHAs) with statistically significant TFRs that were higher than the Provincial TFR in 2004. The five highest were:

049	Bella Coola Valley	2,257.49
076	Agassiz - Harrison	2,240.20
060	Peace River North	2,200.75
084	Vancouver Island West	2,195.89
006	Kootenay Lake	2,148.68

- There were 20 LHAs with statistically significant TFRs that were lower than the Provincial TFR in 2004. The five lowest were:

087	Stikine	501.73
161	Vancouver - City Centre	618.90
164	Vancouver - Westside	949.30
018	Golden	998.69
009	Castlegar	1,024.42

- There were 10.47 live births per 1,000 young women in the 15-19 year age group in 2004. This age-specific fertility rate for 2004 was lower than the 1999-2003 teenage fertility rate of 12.90.
- For the 1999-2003 period, there were 41 LHAs with statistically significant teenage fertility rates that were higher than the provincial teenage fertility rate. The five LHAs with the highest statistically significant rates (number of births in parentheses) were:

092	Nisga'a	(28)	69.14
094	Telegraph Creek	(7)	58.82
053	Upper Skeena	(54)	46.43
005	Creston	(97)	44.45
083	Central Coast	(15)	42.61

- There were 23 LHAs in the 1999-2003 period with statistically significant teenage fertility rates that were lower than the provincial teenage fertility rate. The five LHAs with the lowest statistically significant rates (number of births in parentheses) were:

164	Vancouver - Westside	(27)	1.46
045	West Vancouver-Bowen Island	(15)	1.86
202	South Surrey / White Rock	(33)	3.11
038	Richmond	(100)	3.57
044	North Vancouver	(91)	4.34

Notes for Table 10

Note: [1] Age-Specific Fertility Rate (ASFR): Live births per 1,000 women in each specific age group of childbearing age.
[2] Total Fertility Rate (TFR): Sum of age-specific (15 to 44 years) fertility rates multiplied by the number of years in each age group (see Glossary for definition). [3] Statistical testing indicates that fertility rate is significantly different from the average rate ($p<0.05$, two tailed). Non-residents are excluded.

TABLE 11

LIVE BIRTHS BY MODE OF DELIVERY AND AGE OF MOTHER

BRITISH COLUMBIA, 2004

Mode of Delivery	Age of Mother (in Years)									Total	Percent
	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.		
Spontaneous vertex	3	985	4,010	6,870	7,630	3,841	715	32	1	24,087	59.7
Spontaneous breech	-	4	11	33	36	30	4	-	-	118	0.3
Forceps	-	52	214	440	543	221	39	1	-	1,510	3.7
Vacuum	-	104	464	778	822	380	78	4	-	2,630	6.5
First cesarean	1	251	1,110	1,989	2,420	1,429	376	32	-	7,608	18.9
Repeat cesarean	-	25	292	922	1,678	1,161	271	16	-	4,365	10.8
N.S.	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**4**	**1,421**	**6,101**	**11,032**	**13,129**	**7,062**	**1,483**	**85**	**1**	**40,318**	**100.0**
Percent	**0.0**	**3.5**	**15.1**	**27.4**	**32.6**	**17.5**	**3.7**	**0.2**	**0.0**	**100.0**	

Note: Breech presentations may be coded to forceps, vacuum, first cesarean or repeat cesarean mode of delivery, as well as spontaneous breech. Total percentage may not add up to 100 due to rounding. Total includes unknown gender. Non-residents are excluded. N.S. - Not stated.

HIGHLIGHTS TO TABLE 11

- Three fifths (60.0%) of live births in 2004 were delivered spontaneously: 59.7% (24,087) were vertex and 0.3% (118) were breech. One in 27 births required the use of forceps (1,510 births) and one in 15 used vacuum (2,630 births).
- Almost one third of all live births (29.7%) were delivered by cesarean section (11,973) and almost two thirds of these (63.5%) were first cesareans (7,608). The 2004 cesarean section rate was 296.96 per 1,000 live births.
- Among teenage mothers (less than 20 years of age), one in five live births (19.4%) were delivered by cesarean section (277 births). Of these, 9.0% (25) were repeat cesarean sections.
- About one in four live births to mothers aged 20 to 34 (27.8%) were delivered by cesarean section (8,411). Of these deliveries, 34.4% (2,892) were repeat C-sections.
- For mothers aged 35 or older, more than one in three live births (38.1%) were delivered by cesarean section (3,285). Of these, 44.1% (1,448) were repeat C-sections.

Vital Statistics Information Box

PLACE OF BIRTH FOR MIDWIFE ASSISTED BIRTHS

BRITISH COLUMBIA, 1999-2004

The College of Midwives of British Columbia was established in 1995 and the first midwives were registered to practice in 1998. The Vital Statistics Agency implemented procedures to identify births delivered by registered midwives in 1998, and, by 1999, could identify all midwife assisted births. The table below shows the place of birth for midwife assisted births in the province from 1999 to 2004.

	1999		2000		2001		2002		2003		2004	
Place of Birth	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**
Hospital	611	63.4	615	62.5	769	65.6	641	64.3	698	68.6	699	69.0
Home	348	36.1	357	36.3	367	31.3	303	30.4	287	28.2	284	28.0
Other and unknown*	4	0.4	12	1.2	37	3.2	53	5.3	32	3.1	30	3.0
Midwife Assisted Births	**963**	**100.0**	**984**	**100.0**	**1,173**	**100.0**	**997**	**100.0**	**1,017**	**100.0**	**1,013**	**100.0**
Percent of Total Births Delivered by Registered Midwives		**2.3**		**2.4**		**2.9**		**2.5**		**2.5**		**2.5**

Note: *Other and unknown includes birthing clinics.

Vital Statistics Information Box

BIRTHS BY MOTHER'S COUNTRY OF BIRTH AND DEATHS BY DECEDENT'S COUNTRY OF BIRTH

BRITISH COLUMBIA, 2004

Area	Province/Country	Births	Deaths
Canada	**Total**	**26,596**	**19,986**
	British Columbia	18,633	7,526
	Alberta	2,252	2,907
	Saskatchewan	851	3,890
	Ontario	2,530	2,015
	Manitoba	829	2,156
	Quebec	696	657
	Nova Scotia	269	380
	New Brunswick	152	231
	Newfoundland	223	123
	Yukon	76	21
	Prince Edward Island	35	56
	Northwest Territories	46	14
	Nunavut	1	-
	Unknown Province	3	10
North and Central America	**Total**	**1,152**	**803**
	United States	713	721
	Other North and Central American Countries	439	82
South America	**Total**	**248**	**60**
Europe	**Total**	**1,981**	**6,137**
	England	486	1,940
	Germany	184	596
	Scotland	89	639
	Other United Kingdom	171	377
	Poland	118	277
	Scandinavian Countries	51	340
	Former USSR	119	186
	Italy	28	287
	Former Yugoslavia	65	66
	Other European Countries	670	1,429
Asia and the Middle East	**Total**	**8,946**	**2,195**
	India	2,792	522
	China	1,728	923
	Philippines	1,129	153
	Vietnam	624	61
	Hong Kong	499	138
	Korea	441	71
	Japan	328	58
	Taiwan	331	25
	Other Asian and Middle Eastern Countries	1,074	244
Africa	**Total**	**551**	**162**
Oceania	**Total**	**477**	**158**
	Fiji	282	97
	Australia	183	61
	Other Oceanic Countries	12	-
Unknown		**367**	**151**
Total		**40,318**	**29,652**

Note: Non-residents are excluded.

Table 12

LIVE BIRTHS BY LOCAL HEALTH AREA AND MODE OF DELIVERY, BRITISH COLUMBIA, 2004

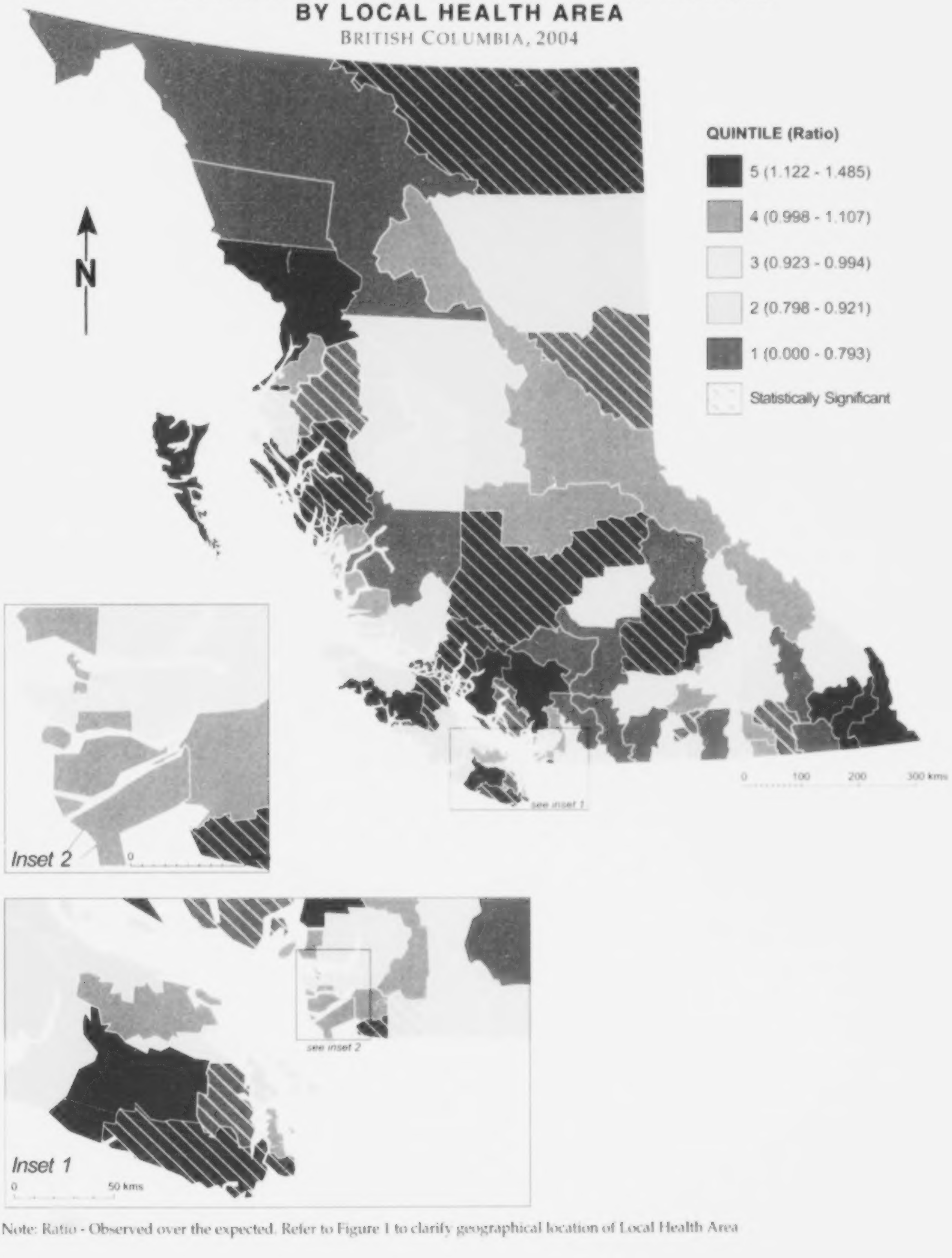
Local Health Area		Spontaneous Vertex	Cesarean						Other	N.S.	Total Live Births	
			First	Repeat	Total	Ratio	(p)	Percent			Number	Rate
001	Fernie	70	28	14	42	1.16		34.4	10	-	122	7.69
002	Cranbrook	124	45	26	71	1.16		34.3	12	-	207	7.90
003	Kimberley	33	13	6	19	1.12		33.3	5	-	57	6.37
004	Windermere	44	13	7	20	0.92		27.4	9	-	73	7.46
005	Creston	77	11	10	21	0.70		20.8	3	-	101	7.88
006	Kootenay Lake	30	5	3	8	0.69		20.5	1	-	39	10.92
007	Nelson	177	28	14	42	0.62	*	18.3	10	-	229	9.25
009	Castlegar	51	14	10	24	1.01		30.0	5	-	80	5.94
010	Arrow Lakes	26	7	2	9	0.87		25.7	-	-	35	6.77
011	Trail	71	18	18	36	1.01		30.0	13	-	120	5.97
012	Grand Forks	50	13	8	21	0.96		28.4	3	-	74	8.16
013	Kettle Valley	27	1	3	4	0.42		12.5	1	-	32	8.97
014	Southern Okanagan	78	25	10	35	0.92		27.3	15	-	128	6.77
015	Penticton	180	39	22	61	0.76	*	22.5	30	-	271	6.60
016	Keremeos	21	6	2	8	0.93		27.6	-	-	29	5.82
017	Princeton	19	3	-	3	0.44		13.0	1	-	23	4.78
018	Golden	30	10	7	17	1.08		32.1	6	-	53	6.80
019	Revelstoke	45	13	10	23	0.98		29.1	11	-	79	9.27
020	Salmon Arm	122	44	32	76	1.21		36.0	13	-	211	6.37
021	Armstrong - Spallumcheen	46	14	10	24	1.11		32.9	3	-	73	7.21
022	Vernon	317	86	62	148	0.95		28.2	59	-	524	8.56
023	Central Okanagan	798	276	151	427	1.07		31.7	124	-	1,349	8.30
024	Kamloops	556	192	117	309	1.14	*	33.9	47	-	912	8.74
025	100 Mile House	68	15	11	26	0.81		24.1	14	-	108	7.31
026	North Thompson	30	3	6	9	0.67		20.0	6	-	45	8.58
027	Cariboo - Chilcotin	139	62	47	109	1.32	*	39.2	30	-	278	9.55
028	Quesnel	136	45	22	67	1.00		29.8	22	-	225	8.73
029	Lillooet	32	7	5	12	0.79		23.5	7	-	51	10.56
030	South Cariboo	41	6	3	9	0.56		16.7	4	-	54	6.85
031	Merritt	71	15	13	28	0.90		26.7	6	-	105	9.05
032	Hope	52	6	11	17	0.78		23.3	4	-	73	8.34
033	Chilliwack	570	153	109	262	0.96		28.5	87	-	919	12.00
034	Abbotsford	945	265	181	446	0.95		28.2	191	-	1,582	12.42
035	Langley	777	199	123	322	0.88	*	26.2	130	-	1,229	10.24
037	Delta	517	189	123	312	1.10		32.6	129	-	958	9.36
038	Richmond	896	291	184	475	1.03		30.6	182	-	1,553	8.99
040	New Westminster	348	132	51	183	0.99		29.4	92	-	623	10.69
041	Burnaby	1,232	374	211	585	0.97		28.7	218	-	2,035	10.03
042	Maple Ridge	523	194	111	305	1.08		32.0	125	-	953	11.00
043	Coquitlam	1,220	385	222	607	0.99		29.5	229	-	2,056	9.96
044	North Vancouver	832	252	135	387	0.97		28.7	130	-	1,349	9.98
045	West Vancouver - Bowen Is.	170	49	34	83	1.00		29.7	26	-	279	5.46
046	Sunshine Coast	111	23	8	31	0.67	*	19.9	14	-	156	5.64
047	Powell River	73	25	23	48	1.21		35.8	13	-	134	6.56
048	Howe Sound	235	93	48	141	1.16		34.5	33	-	409	12.92
049	Bella Coola Valley	33	5	6	11	0.79		23.4	3	-	47	14.03
050	Queen Charlotte	39	12	10	22	1.14		33.8	4	-	65	12.45
051	Snow Country	2	1	1	2	1.35		40.0	1	-	5	6.23
052	Prince Rupert	117	23	18	41	0.80		23.7	15	-	173	10.38
053	Upper Skeena	39	14	5	19	0.91		27.1	12	-	70	12.21
054	Smithers	140	33	26	59	0.90		26.7	22	-	221	12.28
055	Burns Lake	57	15	10	25	0.93		27.5	9	-	91	11.64
056	Nechako	149	34	26	60	0.92		27.3	11	-	220	12.43
057	Prince George	655	196	114	310	1.01		30.0	69	-	1,034	10.09
059	Peace River South	197	30	25	55	0.68	*	20.2	20	-	272	9.82
060	Peace River North	332	73	58	131	0.89		26.4	34	-	497	15.55
061	Greater Victoria	1,049	439	173	612	1.16	*	34.4	116	-	1,777	8.38
062	Sooke	340	121	85	206	1.18	*	34.9	44	-	590	10.27
063	Saanich	246	76	47	123	1.05		31.3	24	-	393	6.30
064	Gulf Islands	54	12	6	18	0.81		24.0	3	-	75	5.13
065	Cowichan	362	83	35	118	0.79	*	23.6	21	-	501	9.26
066	Lake Cowichan	30	15	5	20	1.35		40.0	-	-	50	7.89
067	Ladysmith	97	24	14	38	0.93		27.7	2	-	137	8.09
068	Nanaimo	517	153	91	244	1.00		29.6	62	-	823	8.72
069	Qualicum	143	36	22	58	0.88		26.0	22	-	223	5.34
070	Alberni	178	47	32	79	0.91		27.1	35	-	292	9.08
071	Courtenay	297	78	45	123	0.89		26.5	45	-	465	7.74
072	Campbell River	180	86	42	128	1.32	*	39.3	18	-	326	8.12
075	Mission	273	83	36	119	0.95		28.3	29	-	421	10.82
076	Agassiz - Harrison	72	12	10	22	0.74		22.0	6	-	100	11.61
077	Summerland	46	9	9	18	0.92		27.3	2	-	66	5.39
078	Enderby	39	11	5	16	0.91		27.1	4	-	59	7.82
080	Kitimat	49	27	14	41	1.48	*	44.1	3	-	93	8.04
081	Fort Nelson	52	29	15	44	1.36	*	40.4	13	-	109	16.60
083	Central Coast	15	5	2	7	1.07		31.8	-	-	22	13.00
084	Vancouver Island West	22	7	5	12	1.12		33.3	2	-	36	14.43
085	Vancouver Island North	106	25	14	39	0.87		25.8	6	-	151	10.84
087	Stikine	4	-	-	-	-		-	-	-	4	3.28
088	Terrace	177	28	26	54	0.74	*	22.0	14	-	245	10.97
092	Nisgaia	15	5	3	8	1.04		30.8	3	-	26	13.99
094	Telegraph Creek	8	-	-	-	-		-	-	-	8	12.58
161	Vancouver - City Centre	427	202	55	257	1.05		31.3	137	-	821	8.02
162	Vancouver - Downtown E.side	287	94	23	117	0.86		25.6	53	-	457	8.70
163	Vancouver - North East	648	201	95	296	0.93		27.5	133	-	1,077	10.85
164	Vancouver - Westside	609	196	99	295	0.96		28.6	127	-	1,031	8.32
165	Vancouver - Midtown	554	194	90	284	0.98		29.2	133	-	971	11.05
166	Vancouver - South	728	250	134	384	1.01		29.9	172	-	1,284	10.10
201	Surrey	2,387	815	537	1,352	1.03		30.5	696	-	4,435	13.61
202	South Surrey/White Rock	305	122	71	193	1.16	*	34.6	60	-	558	7.15
	PROVINCIAL TOTAL	**24,087**	**7,608**	**4,365**	**11,973**	**1.00**		**29.7**	**4,258**	-	**40,318**	**9.61**

Notes for this table follow highlight notes.

FIGURE 30

CESAREAN DELIVERIES OF LIVE BORN INFANTS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2004


N
QUINTILE (Ratio)
5 (1.122 - 1.485)
4 (0.998 - 1.107)
3 (0.923 - 0.994)
2 (0.798 - 0.921)
1 (0.000 - 0.793)
Statistically Significant
0
100
200
300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0
50 kms

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of Local Health Area

HIGHLIGHTS TO TABLE 12/FIGURE 30

- There were 11,973 cesarean deliveries of live born babies in 2004, and 24,087 spontaneous vertex deliveries. The 2004 cesarean section rate was 296.96 per 1,000 live births.

- The cesarean ratio is the number of C-section births in the area, compared to the number that would be expected based on the provincial rate and the number of live births in the area. The eight Local Health Areas (LHAs) with cesarean ratios that were statistically significant and high in 2004 (number of cesarean deliveries in parentheses) were:

080	Kitimat	(41)	1.48
081	Fort Nelson	(44)	1.36
027	Cariboo - Chilcotin	(109)	1.32
072	Campbell River	(128)	1.32
062	Sooke	(206)	1.18
202	South Surrey / White Rock	(193)	1.16
061	Greater Victoria	(612)	1.16
024	Kamloops	(309)	1.14

- The seven LHAs with cesarean ratios that were statistically significant and low in 2004 (number of cesarean deliveries in parentheses) were:

007	Nelson	(42)	0.62
046	Sunshine Coast	(31)	0.67
059	Peace River South	(55)	0.68
088	Terrace	(54)	0.74
015	Penticton	(61)	0.76
065	Cowichan	(118)	0.79
035	Langley	(322)	0.88

- Two LHAs, 087 Stikine and 094 Telegraph Creek, had no live births delivered by cesarean in 2004.

- The 2004 provincial live birth rate was 9.61 live births per 1,000 population. The five LHAs with the highest live birth rates in 2004 (number of births in parentheses) were:

081	Fort Nelson	(109)	16.60
060	Peace River North	(497)	15.55
084	Vancouver Island West	(36)	14.43
049	Bella Coola Valley	(47)	14.03
092	Nisga'a	(26)	13.99

- The LHA with the lowest birth rate in 2004 was 087 Stikine with 3.28 live births per 1,000 population, but this rate is not considered reliable since it is based on only four births. The five LHAs with the lowest live birth rates in 2004 based on at least five births (number of births in parentheses) were:

017	Princeton	(23)	4.78
064	Gulf Islands	(75)	5.13
069	Qualicum	(223)	5.34
077	Summerland	(66)	5.39
045	West Vancouver-Bowen Island	(279)	5.46

Notes for Table 12

Note: Ratio - observed over the expected cesareans in the specified area. Percent based upon live births in the specified area. Rate per 1,000 population in the specified area. *Statistical testing indicates that observed cesarean births are significantly different from the expected ($p<0.05$, two tailed). + Denotes significance based on less than five births. Other is comprised of spontaneous breech, forceps, and vacuum. Non-residents are excluded. N.S. - Not Stated.

TABLE 13

LIVE BIRTHS BY BIRTH WEIGHT, GENDER, AND GESTATIONAL AGE

BRITISH COLUMBIA, 2004

Birth Weight (in Grams)	Gender		Gestational Age (in Weeks)						Total
	Male	Female	<20	20–27	28–36	37–41	42+	N.S.	
<500	26	24	3	46	-	2	-	-	51
500-749	26	31	-	54	3	-	-	-	57
750-999	33	30	-	44	19	-	-	-	63
1,000-1,249	42	29	-	25	46	-	-	-	71
1,250-1,499	67	55	-	3	119	-	-	-	122
1,500-1,749	89	76	-	-	162	3	-	-	165
1,750-1,999	125	140	-	-	235	30	-	-	265
2,000-2,249	239	239	-	-	356	122	-	-	478
2,250-2,499	456	532	-	-	529	459	-	-	988
2,500-2,749	829	1,009	-	1	506	1,330	1	-	1,838
2,750-2,999	1,734	2,191	-	-	442	3,477	6	-	3,925
3,000-3,249	2,918	3,443	-	-	260	6,079	22	-	6,361
3,250-3,499	3,919	3,978	-	-	124	7,730	43	-	7,897
3,500-3,749	3,914	3,566	-	-	54	7,373	53	-	7,480
3,750-3,999	3,053	2,303	-	-	28	5,254	74	-	5,356
4,000-4,249	1,763	1,163	-	-	13	2,873	40	-	2,926
4,250-4,499	900	515	-	-	3	1,377	35	-	1,415
4,500-4,749	360	171	-	-	1	517	13	-	531
4,750-4,999	123	61	-	-	1	177	6	-	184
5,000-5,249	43	24	-	-	1	65	1	-	67
5,250-5,499	22	6	-	-	1	27	-	-	28
5,500+	5	1	-	-	-	6	-	-	6
N.S.	25	19	1	-	-	-	-	43	44
TOTAL	**20,711**	**19,606**	**4**	**173**	**2,903**	**36,901**	**294**	**43**	**40,318**

Note: Total includes unknown gender.
Non-residents are excluded. N.S. - Not stated.

HIGHLIGHTS TO TABLE 13

- There were 20,711 males (51.4%) and 19,606 females (48.6%) born in 2004. The average weight for a live born baby was 3,405 grams, 3,458 grams for males and 3,349 grams for females.
- Almost nine out of ten live births (35,493) were delivered at term (from 37 to 41 weeks gestation) with normal birth weight (2,500 to 4,499 grams). These babies with "healthy" gestational ages and birth weights accounted for 88.0% of live births in 2004.
- There were 2,260 live births with low birth weight (less than 2,500 grams) and 3,080 pre-term (less than 37 weeks gestation) live births in 2004. A total of 1,644 babies (4.1%) were both pre-term and low birth weight; in of this group, approximately one in nine (175 births) had very low birth weight (less than 1,500 grams) and was extremely premature (less than 28 weeks gestation).
- Post-term (42 or more weeks of gestation) deliveries occurred in 294 live births in 2004. There were 816 births with high birth weight (4,500 grams or more), 20 of which were also post-term.
- Out of 1,000 live births in 2004:

by birth weight

- 56 were low birth weight (2,260 births), of which:
  - 1 had birth weight less than 500 grams (51)
  - 8 had birth weight from 500 to 1,499 grams (313)
- 923 were normal birth weight (37,198)
- 20 were high birth weight (816)
- 1 did not include birth weight (44)

by gestational age

- 76 were pre-term (3,080 births), of which:
  - 4 were extremely premature (less than 28 weeks) (177)
- 915 were term (36,901)
- 7 were post-term (294)
- 1 did not include gestational age (43)

TABLE 14

LIVE BIRTHS BY BIRTH WEIGHT AND AGE OF MOTHER

BRITISH COLUMBIA, 2004

Birth Weight (in Grams)	Age of Mother (in Years)									Total
	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.	
<500	-	1	6	12	15	14	3	-	-	51
500-749	-	2	10	12	14	17	2	-	-	57
750-999	-	3	10	15	22	12	1	-	-	63
1,000-1,249	-	5	15	19	17	10	5	-	-	71
1,250-1,499	-	9	22	25	35	25	6	-	-	122
1,500-1,749	-	7	25	41	50	32	10	-	-	165
1,750-1,999	-	13	42	64	78	51	14	3	-	265
2,000-2,249	-	24	76	135	134	86	21	2	-	478
2,250-2,499	-	21	139	258	324	192	48	6	-	988
2,500-2,749	-	79	279	475	576	343	81	5	-	1,838
2,750-2,999	-	151	622	1,084	1,216	699	141	12	-	3,925
3,000-3,249	-	221	927	1,795	2,031	1,160	211	16	-	6,361
3,250-3,499	-	277	1,177	2,170	2,640	1,321	296	16	-	7,897
3,500-3,749	2	245	1,136	2,046	2,531	1,233	277	10	-	7,480
3,750-3,999	1	199	834	1,458	1,732	944	184	4	-	5,356
4,000-4,249	1	89	443	801	976	507	106	3	-	2,926
4,250-4,499	-	40	216	389	457	258	50	5	-	1,415
4,500-4,749	-	22	76	147	180	87	17	2	-	531
4,750-4,999	-	10	32	45	56	35	6	-	-	184
5,000-5,249	-	2	8	17	23	15	2	-	-	67
5,250-5,499	-	-	2	8	10	7	1	-	-	28
5,500+	-	1	-	2	1	1	-	1	-	6
N.S.	-	-	4	14	11	13	1	-	1	44
TOTAL	**4**	**1,421**	**6,101**	**11,032**	**13,129**	**7,062**	**1,483**	**85**	**1**	**40,318**

Note: Total includes unknown gender.
Non-residents are excluded. N.S. – Not stated.

HIGHLIGHTS TO TABLE 14

- There were 37,198 live births with healthy birth weights (2,500 to 4,499 grams) in 2004. Out of approximately 100 of these births:
  - 4 were births to teenage mothers (1,305)
  - 43 were births to mothers aged 20 to 29 years (15,852)
  - 50 were births to mothers aged 30 to 39 years (18,624)
  - 4 were births to mothers 40 years of age or older (1,417)
- There were 2,260 live births with low birth weight (less than 2,500 grams) in 2004. Out of every 100 of these births:
  - 4 were births to teenage mothers (85)
  - 41 were births to mothers aged 20 to 29 years (926)
  - 50 were births to mothers aged 30 to 39 years (1,128)
  - 5 were births to mothers 40 years of age or older (121)
- There were 816 live births with high birth weight (4,500 grams or over) in 2004. Out of every 100 of these births:
  - 4 were births to teenage mothers (35)
  - 41 were births to mothers aged 20 to 29 years (337)
  - 51 were births to mothers aged 30 to 39 years (415)
  - 4 were births to mothers 40 years of age or older (29)
- Nine out of ten (92.4%) live births to mothers in the four maternal age groups from 20-24 to 35-39 had "healthy" birth weights. One in 18 births in these age groups (5.5%) had low birth weight and one in 50 (2.0%) had high birth weight.
- Of live births to teenage mothers (less than 20 years of age), 91.6% had healthy birth weights, 6.0% had low and 2.5% had high birth weights. For mothers in the 40 or older age group, 90.4% of live births had healthy birth weights, 7.7% had low and 1.8% had high birth weights.

TABLE 15

LOW BIRTH WEIGHT LIVE BIRTHS BY AGE OF MOTHER AND GENDER

BRITISH COLUMBIA, 2004

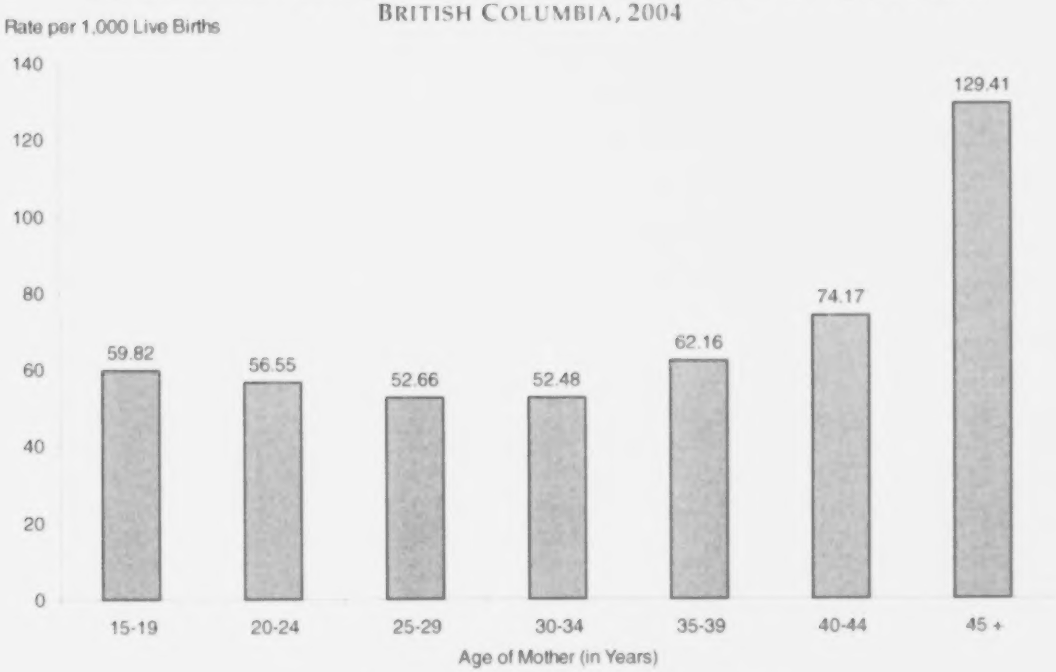
Age of Mother	Male		Female		Total		
	Number	Percent	Number	Percent	Number	Percent	Rate
< 15	-	-	-	-	-	-	-
15-19	41	3.7	44	3.8	85	3.8	59.82
20-24	167	15.1	178	15.4	345	15.3	56.55
25-29	287	26.0	293	25.3	581	25.7	52.66
30-34	328	29.7	361	31.2	689	30.5	52.48
35-39	221	20.0	218	18.9	439	19.4	62.16
40-44	54	4.9	56	4.8	110	4.9	74.17
45 +	5	0.5	6	0.5	11	0.5	129.41
N.S.	-	-	-	-	-	-	-
TOTAL	**1,103**	**100.0**	**1,156**	**100.0**	**2,260**	**100.0**	**56.05**

Note: Rate per 1,000 live births for the specified age group.
Low birth weight: birth weight less than 2,500 grams.
Total percentage may not add up to 100 due to rounding. Total includes unknown gender.
Non-residents are excluded. N.S. - Not stated.

FIGURE 31

LOW BIRTH WEIGHT LIVE BIRTHS BY AGE OF MOTHER

BRITISH COLUMBIA, 2004



HIGHLIGHTS TO TABLE 15/FIGURE 31

- In 2004, there were 2,260 live births with low birth weight (less than 2,500 grams). The provincial low birth weight (LBW) live birth rate was 56.05 per 1,000 live births.
- Among live births in 2004, 5.3% of the 20,711 male births had low birth weight (1,103) and 5.9% of the 19,606 female births had low birth weight (1,156). (see Table 13 for the number of male and female live births.)
- Of the low birth weight live births, 51.2% were females.
- Mothers aged 30-34 and those aged 25-29 had the lowest LBW rates (52.48 and 52.66 per 1,000 live births respectively). The next lowest LBW rate was for mothers aged 20-24 (56.55 per 1,000 live births). Teenage mothers (aged 15-19) had a low birth weight rate of 59.82. The oldest maternal age groups had the highest LBW rates (74.17 for mothers aged 40-44 and 129.41 for mothers aged 45+).

Table 16

LOW BIRTH WEIGHT LIVE BIRTHS BY LOCAL HEALTH AREA AND GESTATIONAL AGE,

BRITISH COLUMBIA, 1999–2003 AND 2004

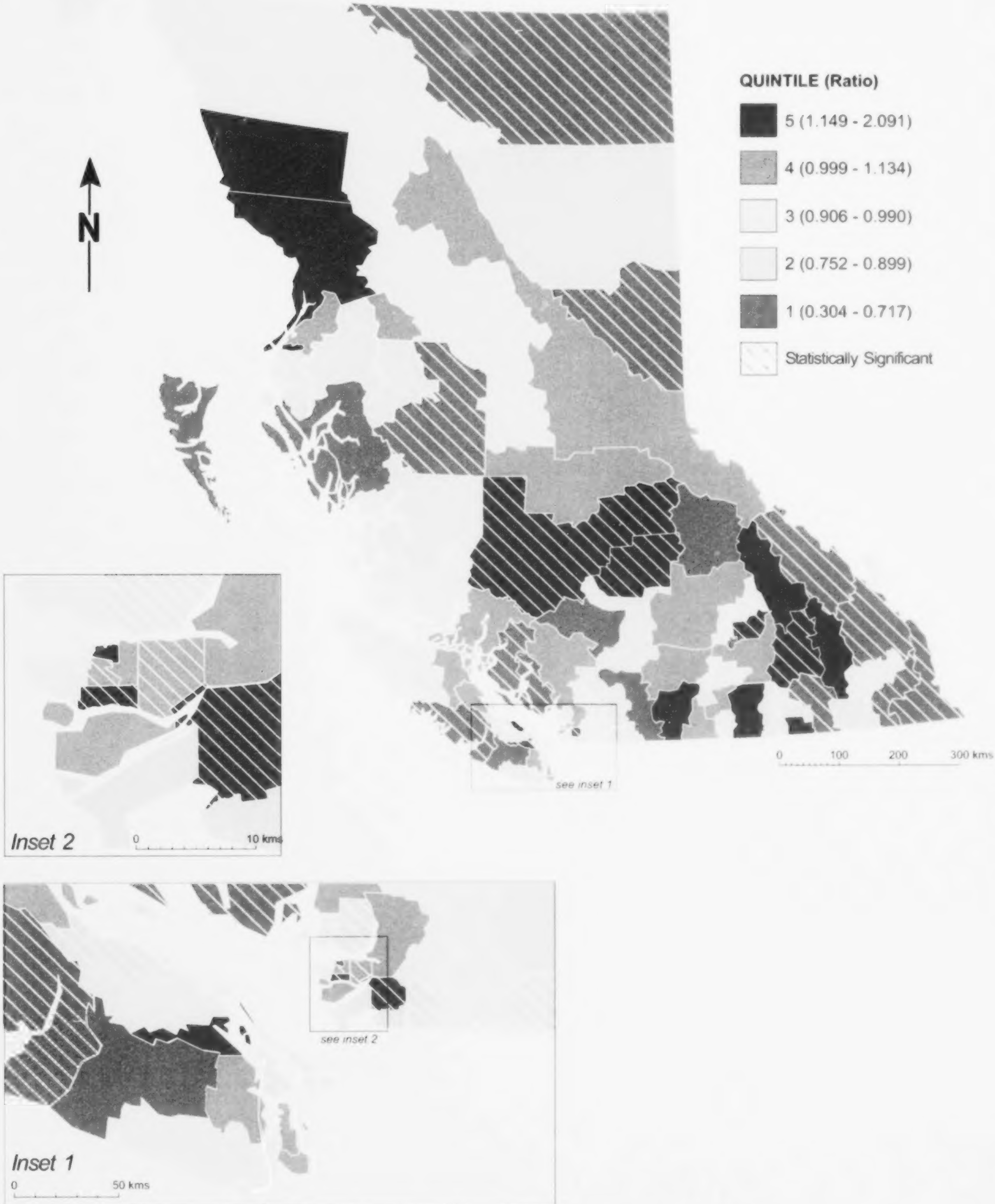
		1999–2003				2004					
		Low Birth Weight Live Births				Gestational Age (in Weeks)					
Local	Health Area	Observed	Ratio	(p)	Rate	<37	37–41	42+	N.S.	Total	Rate
001	Fernie	19	0.61	*	31.20	3	2	-	-	5	40.98
002	Cranbrook	34	0.58	*	29.57	3	2	-	-	5	24.15
003	Kimberley	13	0.91		46.10	1	-	-	-	1	17.54
004	Windermere	8	0.48	*	24.39	1	2	-	-	3	41.10
005	Creston	29	0.85		43.09	4	1	-	-	5	49.50
006	Kootenay Lake	14	1.58		80.46	-	1	-	-	1	25.64
007	Nelson	39	0.71	*	36.14	8	4	-	-	12	52.40
009	Castlegar	23	0.90		45.73	3	3	-	-	6	75.00
010	Arrow Lakes	19	1.83	*	93.14	-	-	-	-	-	-
011	Trail	49	1.30		66.04	6	4	-	-	10	83.33
012	Grand Forks	14	0.88		44.59	2	3	-	-	5	67.57
013	Kettle Valley	9	1.37		69.77	-	1	-	-	1	31.25
014	Southern Okanagan	32	0.96		49.08	4	4	-	-	8	62.50
015	Penticton	87	1.13		57.69	14	4	-	-	18	66.42
016	Keremeos	12	1.13		57.69	-	-	-	-	-	-
017	Princeton	10	1.48		75.19	2	-	-	-	2	86.96
018	Golden	9	0.51	*	25.94	1	-	-	-	1	18.87
019	Revelstoke	23	1.19		60.53	4	1	-	-	5	63.29
020	Salmon Arm	53	0.93		47.41	6	4	-	-	10	47.39
021	Armstrong - Spallumcheen	12	0.59		30.23	4	1	-	-	5	68.49
022	Vernon	148	1.13		57.25	26	9	-	-	35	66.79
023	Central Okanagan	321	0.94		47.79	55	13	-	-	68	50.41
024	Kamloops	239	1.06		53.83	37	27	-	-	64	70.18
025	100 Mile House	40	1.41	*	71.81	4	2	-	-	6	55.56
026	North Thompson	8	0.67		33.90	1	3	-	-	4	88.89
027	Cariboo - Chilcotin	104	1.29	*	65.70	7	1	-	-	8	28.78
028	Quesnel	67	1.08		54.78	6	7	-	-	13	57.78
029	Lillooet	10	0.66		33.33	1	2	-	-	3	58.82
030	South Cariboo	12	0.83		42.11	2	1	-	-	3	55.56
031	Merritt	30	1.12		56.82	2	1	-	-	3	28.57
032	Hope	13	0.67		34.30	3	1	-	-	4	54.79
033	Chilliwack	172	0.83	*	42.24	31	11	-	-	42	45.70
034	Abbotsford	376	0.93		47.23	64	38	-	-	102	64.48
035	Langley	270	0.86	*	43.91	39	15	-	-	54	43.94
037	Delta	227	0.89		45.09	39	14	-	-	53	55.32
038	Richmond	403	1.02		51.87	56	24	-	-	79	50.87
040	New Westminster	188	1.15	*	58.64	29	22	-	-	51	81.86
041	Burnaby	588	1.12	*	57.14	94	32	-	-	126	61.92
042	Maple Ridge	216	0.98		49.86	43	10	-	-	53	55.61
043	Coquitlam	541	1.00		51.04	89	31	-	-	120	58.37
044	North Vancouver	274	0.83	*	42.21	61	13	-	-	74	54.86
045	West Vancouver - Bowen Is	72	0.92		47.03	6	2	-	-	8	28.67
046	Sunshine Coast	28	0.57	*	29.08	6	1	-	-	7	44.87
047	Powell River	23	0.59	*	29.83	6	-	-	-	6	44.78
048	Howe Sound	103	1.03		52.52	22	6	-	-	28	68.46
049	Bella Coola Valley	11	0.86		43.82	3	-	-	-	3	63.83
050	Queen Charlotte	12	0.72		36.47	8	-	-	-	8	123.08
051	Snow Country	3	1.25		63.83	-	-	-	-	-	-
052	Prince Rupert	42	0.77		38.92	5	2	-	-	7	40.46
053	Upper Skeena	19	1.00		50.80	-	-	-	-	-	-
054	Smithers	48	0.78		39.83	5	2	-	-	7	31.67
055	Burns Lake	7	0.30	*	15.49	1	2	-	-	3	32.97
056	Nechako	58	0.99		50.35	12	2	-	-	14	63.64
057	Prince George	279	1.02		51.72	45	14	-	-	59	57.06
059	Peace River South	52	0.71	*	35.86	8	5	-	-	13	47.79
060	Peace River North	102	0.83		42.46	18	5	-	-	23	46.28
061	Greater Victoria	455	1.05		53.16	73	18	-	-	91	51.21
062	Sooke	141	0.99		50.14	30	6	-	-	36	61.02
063	Saanich	110	1.08		55.03	21	2	-	-	23	58.52
064	Gulf Islands	21	0.90		45.75	-	-	-	-	-	-
065	Cowichan	129	1.04		52.65	31	5	-	-	36	71.86
066	Lake Cowichan	7	0.60		30.43	5	1	-	-	6	120.00
067	Ladysmith	42	1.18		60.26	9	1	-	-	10	72.99
068	Nanaimo	198	0.97		49.33	30	12	-	-	42	51.03
069	Qualicum	45	0.75	*	38.23	4	1	-	-	5	22.42
070	Alberni	54	0.71	*	36.24	7	2	-	-	9	30.82
071	Courtenay	137	1.13		57.68	23	7	-	-	30	64.52
072	Campbell River	97	1.01		51.19	9	2	-	-	11	33.74
075	Mission	102	0.94		47.82	22	4	-	-	26	61.76
076	Agassiz - Harrison	16	0.77		39.41	-	1	-	-	1	10.00
077	Summerland	17	0.89		45.09	1	1	-	-	2	30.30
078	Enderby	24	1.59	*	81.08	-	-	-	-	-	-
080	Kitimat	20	0.68		34.54	3	-	-	-	3	32.26
081	Fort Nelson	12	0.52	*	26.37	2	2	-	-	4	36.70
083	Central Coast	6	0.97		49.59	3	-	-	-	3	136.36
084	Vancouver Island West	8	0.94		47.62	-	-	-	-	-	-
085	Vancouver Island North	42	0.98		49.94	8	1	-	-	9	59.60
087	Stikine	2	0.94		47.62	2	-	-	-	2	500.00
088	Terrace	59	0.84		42.57	7	4	-	-	11	44.90
092	Nisgaia	8	1.06		54.05	1	-	-	-	1	38.46
094	Telegraph Creek	5	2.09		106.38	-	-	-	-	-	-
161	Vancouver - City Centre	174	0.91		46.54	32	12	-	-	44	53.59
162	Vancouver - Downtown E.side	135	1.15		59.24	35	14	-	-	49	107.22
163	Vancouver - North East	319	1.11		56.27	54	15	-	-	69	64.07
164	Vancouver - Westside	258	0.96		48.81	31	7	-	-	38	36.86
165	Vancouver - Midtown	296	1.12	*	56.94	37	20	-	-	57	58.70
166	Vancouver - South	386	1.20	*	61.13	49	27	-	-	76	59.19
201	Surrey	1,270	1.15	*	58.44	195	88	-	-	283	63.81
202	South Surrey/White Rock	106	0.88		44.58	21	8	-	-	29	51.97
	PROVINCIAL TOTAL	**10,316**	**1.00**		**50.87**	**1,644**	**616**	**-**	**-**	**2,260**	**56.05**

Note: Low Birth Weight - birth weight less than 2,500 grams. Ratio - observed over the expected low birth weight live births. * Statistical testing indicates that observed low birth weight live births are significantly different from the expected ($p<0.05$, two tailed). Rate per 1,000 live births in the specified area. Total includes unknown gender. Non-residents are excluded. N.S. - Not Stated.

FIGURE 32

LOW BIRTH WEIGHT LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1999–2003


QUINTILE (Ratio)
5 (1.149 - 2.091)
4 (0.999 - 1.134)
3 (0.906 - 0.990)
2 (0.752 - 0.899)
1 (0.304 - 0.717)
Statistically Significant
N
0 100 200 300 kms
see inset 1
Inset 2
0 10 kms
see inset 2
Inset 1
0 50 kms

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of Local Health Area

HIGHLIGHTS TO TABLE 16/FIGURE 32

- The provincial low birth weight (LBW) (less than 2,500 grams) live birth rate for 2004 was 56.05 per 1,000 live births, higher than the 1999-2003 LBW rate (50.87).

- The five Local Health Areas (LHAs) with the highest LBW rates based on at least five births were:

050	Queen Charlotte	(8)	123.08
066	Lake Cowichan	(6)	120.00
162	Vancouver - Downtown Eastside	(49)	107.22
011	Trail	(10)	83.33
040	New Westminster	(51)	81.86

- The five LHAs with lowest LBW rates based on at least five births in 2004 (number of births in parentheses) were:

069	Qualicum	(5)	22.42
002	Cranbrook	(5)	24.15
045	West Vancouver-Bowen Island	(8)	28.67
027	Cariboo - Chilcotin	(8)	28.78
070	Alberni	(9)	30.82

- In 2004, eight LHAs, 010 Arrow Lakes, 016 Keremeos, 051 Snow Country, 053 Upper Skeena, 064 Gulf Islands, 078 Enderby, 084 Vancouver Island West, and 094 Telegraph Creek, did not have any low birth weight births, and there were 20 other LHAs with less than five LBW live births.

- There were nine LHAs with low birth weight ratios for the period 1999-2003 that were statistically significant and high (number of births and LBW rate per 1,000 live births in parentheses). The five highest (number of births and LBW rate per 1,000 live births in parentheses) were:

010	Arrow Lakes	(19)	1.83	(93.14)
078	Enderby	(24)	1.59	(81.08)
025	100 Mile House	(40)	1.41	(71.81)
027	Cariboo - Chilcotin	(104)	1.29	(65.70)
166	Vancouver - South	(386)	1.20	(61.13)

- There were 15 LHAs with low birth weight ratios for the period 1999-2003 that were statistically significant and low, based on at least five births. The five lowest (number of births and LBW rate per 1,000 live births in parentheses) were:

055	Burns Lake	(7)	0.30	(15.49)
004	Windermere	(8)	0.48	(24.39)
018	Golden	(9)	0.51	(25.94)
081	Fort Nelson	(12)	0.52	(26.37)
046	Sunshine Coast	(28)	0.57	(29.08)

HIGHLIGHTS TO TABLE 17

- There were 27,934 maternal complications of pregnancy and delivery noted in 21,040 live births in 2004. Included in these complications are preterm births, multiple births, assisted or surgical deliveries where no cause was given, and elderly primigravida (first births to women aged 35 or older). Just over half of all live births involved maternal complications (52.2% in 2004 and 50.3% in 1999-2003).

- The percentage of live births with maternal complications of pregnancy and delivery increased with the age of mother. Teenage mothers had maternal complications in 44.7% of their births. In the age groups 20-29 and 30-39, maternal complications occurred in 47.8% and 55.4% of live births, respectively. For mothers aged 40 or older, the proportion rose to almost two thirds (65.1%).

- The largest categories of maternal complications of pregnancy and delivery in 2004 were assisted or surgical deliveries where no cause was given (22.0%) and maternal abnormality of pelvic organs (16.4%). These complications combined accounted for more than a third of all maternal complications (38.4% in 2004 and 35.2% in 1999-2003).

TABLE 17

MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY AGE OF MOTHER

BRITISH COLUMBIA, 1999–2003 AND 2004

		1999–2003		2004						
				Age of Mother (in Years)						
Maternal Complications	ICD-10 Code	Total	Percent	<20	20–29	30–39	40+	N.S.	Total	Percent
Hypertension/hypertensive disorders in pregnancy	O10-O11, O13, O16	2,591	1.9	15	205	228	38	-	486	1.7
Edema and proteinuria without hypertension	O12	33	0.0	3	5	1	-	-	9	0.0
Pre-eclampsia/eclampsia	O14-O15	800	0.6	8	96	100	11	-	215	0.8
Hemorrhage in early pregnancy	O20	10	0.0	-	-	1	-	-	1	0.0
Hyperemesis gravidarum	O21	62	0.0	-	7	6	-	-	13	0.0
Other maternal disorders predominantly related to pregnancy	O22-O23, O25-O29, F179	1,602	1.2	14	178	177	13	-	382	1.4
Diabetes in pregnancy	O24	2,452	1.8	4	125	250	29	-	408	1.5
Multiple gestation and related complications	O30-O31	5,314	3.8	28	385	655	68	-	1,136	4.1
Fetal malpresentation	O32	7,221	5.2	45	542	717	49	-	1,353	4.8
Disproportion	O33	1,643	1.2	2	31	50	5	-	88	0.3
Maternal abnormality of pelvic organs	O34	19,461	14.0	27	1,297	2,947	303	-	4,574	16.4
Disorders of amniotic fluid and membranes	O40-O42	3,677	2.6	32	343	443	39	-	857	3.1
Placental disorders	O43-O45, O73	2,379	1.7	15	160	208	35	-	418	1.5
Antepartum hemorrhage	O46	372	0.3	1	25	36	4	-	66	0.2
Prolonged pregnancy	O48	2,219	1.6	13	136	113	14	-	276	1.0
Preterm labour and delivery	O60	8,598	6.2	92	709	801	53	-	1,655	5.9
Abnormalities of forces of labour	O62-O63	6,366	4.6	35	493	530	33	-	1,091	3.9
Obstructed labour	O64-O66	10,386	7.5	112	1003	1056	79	-	2,250	8.1
Intrapartum hemorrhage	O67	-	-	-	-	-	-	-	-	-
Evidence of fetal distress	O68	8,747	6.3	86	738	795	71	-	1,690	6.0
Cord complications	O69	2,688	1.9	19	205	203	20	-	447	1.6
Obstetrical trauma	O70-O71	1,467	1.1	11	121	118	5	-	255	0.9
Postpartum hemorrhage	O72	2,091	1.5	9	169	183	16	-	377	1.3
Assisted or surgical delivery - no cause given[1]	O81-O82	29,548	21.2	181	2,607	3,079	277	-	6,144	22.0
Maternal and puerperal infections	O85-O86, O98, A34	192	0.1	2	13	6	-	-	21	0.1
Other puerperal complications	O87-O92	60	0.0	-	2	6	1	-	9	0.0
Maternal noninfectious diseases complicating the pregnant state	O99	1,639	1.2	12	146	214	27	-	399	1.4
Elderly primigravida	Z355	6,463	4.6	-	2	1,343	238	-	1,583	5.7
Maternal drug use	O355	301	0.2	5	49	17	2	-	73	0.3
Other maternal complications	O00-O08, O35-O36, O47, O61, O74-O75, O95-O97	10,916	7.8	58	739	799	62	-	1,658	5.9
Total maternal complications		**139,298**	**100.0**	**829**	**10,531**	**15,082**	**1,492**	-	**27,934**	**100.0**
Live births with the above	**- Number**	**101,999**		**637**	**8,195**	**11,187**	**1,021**	-	**21,040**	
maternal complications	**- Percent(*)**	**50.3**		**44.7**	**47.8**	**55.4**	**65.1**		**52.2**	

Note: Percent based upon total maternal complications. Percent (*) based upon live births for the specified maternal age group.
[1] Where no other complication code is found. Total percentage may not add up to 100 due to rounding.
N.S. - Not Stated. Non-residents are excluded.

Table 18

MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY LOCAL HEALTH AREA,

BRITISH COLUMBIA, 1999–2003 AND 2004

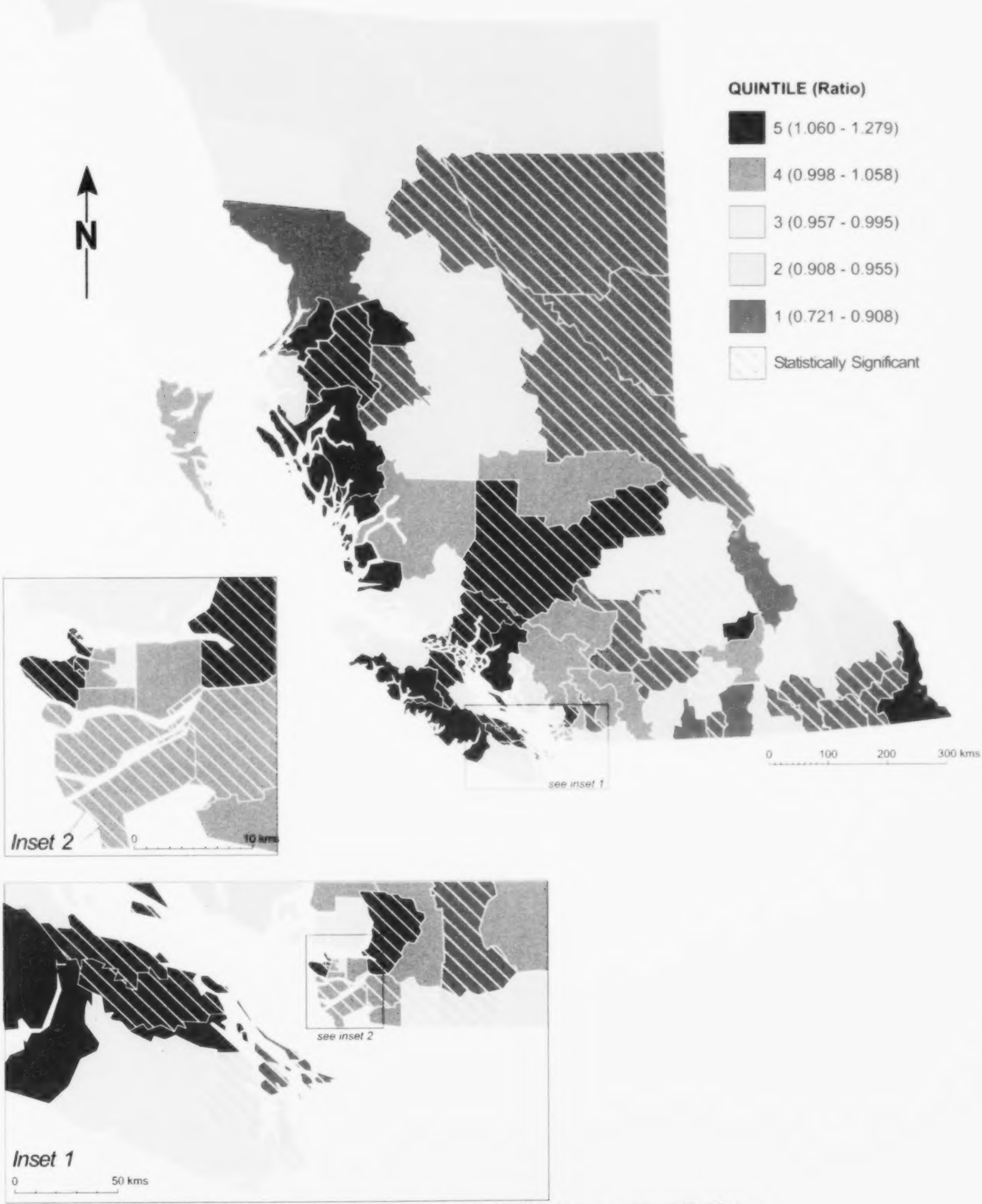
Local Health Area		1999–2003				2004				
		Observed Births	Ratio (p)	Percent	Total Live Births	Observed Births	Expected Births	Ratio (p)	Percent	Total Live Births
001	Fernie	330	1.08	54.2	609	74	63.7	1.16	60.7	122
002	Cranbrook	417	0.72 *	36.3	1,150	91	108.0	0.84	44.0	207
003	Kimberley	115	0.81 *	40.8	282	28	29.7	0.94	49.1	57
004	Windermere	154	0.93	47.0	328	37	38.1	0.97	50.7	73
005	Creston	265	0.78 *	39.4	673	42	52.7	0.80	41.6	101
006	Kootenay Lake	83	0.95	47.7	174	12	20.4	0.59	30.8	39
007	Nelson	402	0.74 *	37.3	1,079	80	119.5	0.67 *	34.9	229
009	Castlegar	219	0.87 *	43.5	503	35	41.7	0.84	43.8	80
010	Arrow Lakes	102	0.99	50.0	204	12	18.3	0.66	34.3	35
011	Trail	353	0.95	47.6	742	64	62.6	1.02	53.3	120
012	Grand Forks	149	0.94	47.5	314	28	38.6	0.73	37.8	74
013	Kettle Valley	53	0.82	41.1	129	8	16.7	0.48 *	25.0	32
014	Southern Okanagan	288	0.88 *	44.2	652	63	66.8	0.94	49.2	128
015	Penticton	734	0.97	48.7	1,508	146	141.4	1.03	53.9	271
016	Keremeos	95	0.91	45.7	208	18	15.1	1.19	62.1	29
017	Princeton	63	0.94	47.4	133	10	12.0	0.83	43.5	23
018	Golden	173	0.99	49.9	347	30	27.7	1.08	56.6	53
019	Revelstoke	172	0.90	45.3	380	42	41.2	1.02	53.2	79
020	Salmon Arm	550	0.98	49.2	1,118	125	110.1	1.14	59.2	211
021	Armstrong - Spallumcheen	189	0.95	47.6	397	36	38.1	0.95	49.3	73
022	Vernon	1,306	1.00	50.5	2,585	296	273.5	1.08	56.5	524
023	Central Okanagan	3,069	0.91 *	45.7	6,718	677	704.0	0.96	50.2	1,349
024	Kamloops	2,094	0.94 *	47.2	4,440	441	475.9	0.93	48.4	912
025	100 Mile House	276	0.99	49.6	557	49	56.4	0.87	45.4	108
026	North Thompson	118	0.99	50.0	236	21	23.5	0.89	46.7	45
027	Cariboo - Chilcotin	862	1.08 *	54.5	1,583	160	145.1	1.10	57.6	278
028	Quesnel	616	1.00	50.4	1,223	107	117.4	0.91	47.6	225
029	Lillooet	151	1.00	50.3	300	27	26.6	1.01	52.9	51
030	South Cariboo	119	0.83 *	41.8	285	22	28.2	0.78	40.7	54
031	Merritt	230	0.87 *	43.6	528	45	54.8	0.82	42.9	105
032	Hope	193	1.01	50.9	379	35	38.1	0.92	47.9	73
033	Chilliwack	1,974	0.96	48.5	4,072	462	479.6	0.96	50.3	919
034	Abbotsford	3,713	0.93 *	46.6	7,961	770	825.6	0.93	48.7	1,582
035	Langley	2,980	0.96 *	48.5	6,149	609	641.4	0.95	49.6	1,229
037	Delta	2,672	1.06 *	53.1	5,034	528	499.9	1.06	55.1	958
038	Richmond	4,131	1.06 *	53.2	7,770	817	810.4	1.01	52.6	1,553
040	New Westminster	1,705	1.06 *	53.2	3,207	347	325.1	1.07	55.7	623
041	Burnaby	5,164	1.00	50.2	10,290	1,025	1,062.0	0.97	50.4	2,035
042	Maple Ridge	2,263	1.04	52.2	4,332	530	497.3	1.07	55.6	953
043	Coquitlam	5,650	1.06 *	53.3	10,600	1,147	1,072.9	1.07 *	55.8	2,056
044	North Vancouver	3,179	0.97	49.0	6,492	684	704.0	0.97	50.7	1,349
045	West Vancouver-Bowen Is.	749	0.97	48.9	1,531	133	145.6	0.91	47.7	279
046	Sunshine Coast	452	0.93	46.9	963	59	81.4	0.72 *	37.8	156
047	Powell River	416	1.07	54.0	771	74	69.9	1.06	55.2	134
048	Howe Sound	1,032	1.05	52.6	1,961	222	213.4	1.04	54.3	409
049	Bella Coola Valley	132	1.05	52.6	251	21	24.5	0.86	44.7	47
050	Queen Charlotte	175	1.06	53.2	329	38	33.9	1.12	58.5	65
051	Snow Country	21	0.89	44.7	47	4	2.6	1.53	80.0	5
052	Prince Rupert	500	0.92	46.3	1,079	71	90.3	0.79 *	41.0	173
053	Upper Skeena	203	1.08	54.3	374	45	36.5	1.23	64.3	70
054	Smithers	543	0.90 *	45.1	1,205	106	115.3	0.92	48.0	221
055	Burns Lake	215	0.95	47.6	452	49	47.5	1.03	53.8	91
056	Nechako	543	0.94	47.1	1,152	111	114.8	0.97	50.5	220
057	Prince George	2,430	0.90 *	45.1	5,394	497	539.6	0.92	48.1	1,034
059	Peace River South	637	0.87 *	43.9	1,450	103	141.9	0.73 *	37.9	272
060	Peace River North	981	0.81 *	40.8	2,402	201	259.4	0.77 *	40.4	497
061	Greater Victoria	4,118	0.96 *	48.1	8,559	921	927.3	0.99	51.8	1,777
062	Sooke	1,377	0.97	49.0	2,812	324	307.9	1.05	54.9	590
063	Saanich	952	0.95	47.6	1,999	190	205.1	0.93	48.3	393
064	Gulf Islands	184	0.80 *	40.1	459	32	39.1	0.82	42.7	75
065	Cowichan	1,132	0.92 *	46.2	2,450	218	261.4	0.83 *	43.5	501
066	Lake Cowichan	115	0.99	50.0	230	25	26.1	0.96	50.0	50
067	Ladysmith	384	1.10	55.1	697	83	71.5	1.16	60.6	137
068	Nanaimo	2,582	1.28 *	64.3	4,015	534	429.5	1.24 *	64.9	823
069	Qualicum	745	1.26 *	63.3	1,177	131	116.4	1.13	58.7	223
070	Alberni	801	1.07	53.8	1,490	175	152.4	1.15	59.9	292
071	Courtenay	1,188	0.99	50.0	2,375	237	242.7	0.98	51.0	465
072	Campbell River	1,103	1.16 *	58.2	1,895	191	170.1	1.12	58.6	326
075	Mission	962	0.90 *	45.1	2,133	192	219.7	0.87	45.6	421
076	Agassiz - Harrison	208	1.02	51.2	406	44	52.2	0.84	44.0	100
077	Summerland	181	0.95	48.0	377	29	34.4	0.84	43.9	66
078	Enderby	162	1.09	54.7	296	30	30.8	0.97	50.8	59
080	Kitimat	315	1.08	54.4	579	50	48.5	1.03	53.8	93
081	Fort Nelson	215	0.94	47.3	455	63	56.9	1.11	57.8	109
083	Central Coast	70	1.15	57.9	121	12	11.5	1.05	54.5	22
084	Vancouver Island West	95	1.12	56.5	168	17	18.8	0.90	47.2	36
085	Vancouver Island North	419	0.99	49.8	841	72	78.8	0.91	47.7	151
087	Stikine	20	0.95	47.6	42	2	2.1	0.96	50.0	4
088	Terrace	754	1.08 *	54.4	1,386	126	127.9	0.99	51.4	245
092	Nisgaia	80	1.07	54.1	148	17	13.6	1.25	65.4	26
094	Telegraph Creek	23	0.97	48.9	47	6	4.2	1.44	75.0	8
161	Vancouver - City Centre	2,163	1.15 *	57.8	3,739	512	428.4	1.20 *	62.4	821
162	Vancouver - Downtown E.side	1,189	1.04	52.2	2,279	247	238.5	1.04	54.0	457
163	Vancouver - North East	2,810	0.99	49.6	5,669	555	562.0	0.99	51.5	1,077
164	Vancouver - Westside	2,914	1.10 *	55.1	5,286	544	538.0	1.01	52.8	1,031
165	Vancouver - Midtown	2,694	1.03	51.8	5,198	526	506.7	1.04	54.2	971
166	Vancouver - South	3,233	1.02	51.2	6,314	677	670.1	1.01	52.7	1,284
201	Surrey	11,194	1.02 *	51.5	21,733	2,429	2,314.4	1.05 *	54.8	4,435
202	South Surrey/White Rock	1,210	1.01	50.9	2,378	314	291.2	1.08	56.3	558
	PROVINCIAL TOTAL	**101,999**	**1.00**	**50.3**	**202,804**	**21,040**	**21,040.0**	**1.00**	**52.2**	**40,318**

Note: *Statistical testing indicates that the observed number of births with maternal complications is signficantly different from the expected ($p<0.05$, two tailed). Ratio - observed over the expected. Percent of observed births is based on total live births. Non-residents are excluded.

FIGURE 33

MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1999-2003


N
QUINTILE (Ratio)
5 (1.060 - 1.279)
4 (0.998 - 1.058)
3 (0.957 - 0.995)
2 (0.908 - 0.955)
1 (0.721 - 0.908)
Statistically Significant
0
100
200
300 kms
see inset 1
Inset 2
0
10 kms
see inset 2
Inset 1
0
50 kms

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of Local Health Area

HIGHLIGHTS TO TABLE 18/FIGURE 33

- There were four Local Health Areas (LHAs) with maternal complication ratios that were statistically significant and high in 2004 (number of births with maternal complications in parentheses):

068	Nanaimo	(534)	1.24
161	Vancouver - City Centre	(512)	1.20
043	Coquitlam	(1,147)	1.07
201	Surrey	(2,429)	1.05

- All of the above LHAs also had statistically significant high ratios for the 1999-2003 period.

- There were seven LHAs with maternal complication ratios that were statistically significant and low in 2004. The seven LHAs with the lowest ratios that were statistically significant (number of births with maternal complications in parentheses) were:

013	Kettle Valley	(8)	0.48
007	Nelson	(80)	0.67
046	Sunshine Coast	(59)	0.72
059	Peace River South	(103)	0.73
060	Peace River North	(201)	0.77
052	Prince Rupert	(71)	0.79
065	Cowichan	(218)	0.83

- Nelson, Peace River South, Peace River North, and Cowichan also had statistically significant and low ratios for 1999-2003.

- There were 12 LHAs with statistically significant and high maternal complication ratios in 1999-2003. The five LHAs with the highest ratios that were statistically significant (number of births with maternal complications in parentheses) were:

068	Nanaimo	(2,582)	1.28
069	Qualicum	(745)	1.26
072	Campbell River	(1,103)	1.16
161	Vancouver - City Centre	(2,163)	1.15
164	Vancouver - Westside	(2,914)	1.10

- There were 20 LHAs with statistically significant and low maternal complication ratios in 1999-2003. The six LHAs with the lowest ratios that were statistically significant (number of births with maternal complications in parentheses) were:

002	Cranbrook	(417)	0.72
007	Nelson	(402)	0.74
005	Creston	(265)	0.78
064	Gulf Islands	(184)	0.80
060	Peace River North	(981)	0.81
003	Kimberley	(115)	0.81

TABLE 19

PERINATAL COMPLICATIONS IN LIVE BIRTHS BY AGE OF MOTHER

BRITISH COLUMBIA, 1999–2003 AND 2004

		1999–2003		2004						
				Age of Mother (in Years)						
Perinatal Complications	ICD-10 Code	Total	Percent	<20	20–29	30–39	40+	N.S.	Total	Percent
Fetus/newborn affected by maternal conditions that may be unrelated to present pregnancy	P00	49	0.1	2	8	3	-	-	13	0.1
Complications of pregnancy, labour and delivery	P01, P03	14,412	15.9	68	938	1,219	121	-	2,346	13.0
Fetus/newborn affected by complications of placenta, cord and membranes	P02	3,788	4.2	30	320	355	45	-	750	4.2
Fetus affected by noxious influences transmitted via placenta or breast milk	P04	46	0.1	-	-	-	-	-	-	-
Slow fetal growth and malnutrition	P05	4,341	4.8	17	294	324	37	-	672	3.7
Perinatal disorders related to short gestation	P072, P073	13,392	14.8	128	1,210	1,515	138	-	2,991	16.6
Disorders related to long gestation or high birth weight	P08	9,020	10.0	87	1,182	1,418	108	-	2,795	15.5
Perinatal birth trauma	P10-P15	319	0.4	5	35	18	3	-	61	0.3
Intrauterine hypoxia and birth asphyxia	P20-P21	43,805	48.4	395	3,630	3,800	326	-	8,151	45.3
Respiratory conditions of fetus and newborn	P22-P28	775	0.9	8	58	55	4	-	125	0.7
Infections specific to the perinatal period	P35-P39	54	0.1	-	5	6	-	-	11	0.1
Fetal and neonatal hemorrhage	P50-P52, P54	111	0.1	1	12	6	1	-	20	0.1
Perinatal jaundice/other hematological disorders	P53, P55-P61	63	0.1	-	2	3	-	-	5	0.0
Perinatal endocrine and metabolic disorders	P70-P74	37	0.0	-	1	1	2	-	4	0.0
Digestive system disorders of fetus and newborn	P76-P78	5	0.0	-	1	-	-	-	1	0.0
Perinatal conditions of the integument and of temperature regulation	P80-P83	111	0.1	1	12	17	-	-	30	0.2
Other disorders originating in the perinatal period	P29, P90-P96	215	0.2	1	13	15	1	-	30	0.2
All Perinatal Complications		**90,543**	**100.0**	**743**	**7,721**	**8,755**	**786**	-	**18,005**	**100.0**
Live births with the above	**- Number**	**70,274**		**583**	**5,939**	**6,762**	**573**	-	**13,857**	
perinatal complications	**- Percent(*)**	**34.7**		**40.9**	**34.7**	**33.5**	**36.5**		**34.4**	

Note: Percent based upon perinatal complications. Percent (*) based upon live births for the maternal age group. Total percentage may not add up to 100 due to rounding. N.S. - Not stated. Non-residents are excluded.

HIGHLIGHTS TO TABLE 19

- There were 18,005 perinatal complications noted in 13,857 live births or one in three live births (34.4%) in 2004. These complications were noted in 34.7% of live births in 1999-2003.
- The proportion of births that had perinatal complications was highest (40.9%) in births to teenage mothers. Perinatal complications occurred in 34.7% of live births to mothers aged 20-29, 33.5% of live births to mothers aged 30-39, and 36.5% of live births to mothers 40 years of age and older.
- Intrauterine hypoxia and birth asphyxia accounted for almost half the perinatal complications (45.3% in 2004 and 48.4% in 1999-2003). The next largest categories of perinatal complications in 2004 were short gestation (16.6%), long gestation and high birth weight (15.5%), and complications of pregnancy, labour and delivery (13.0%).

Table 20

PERINATAL COMPLICATIONS IN LIVE BIRTHS BY LOCAL HEALTH AREA,
BRITISH COLUMBIA, 1999–2003 AND 2004

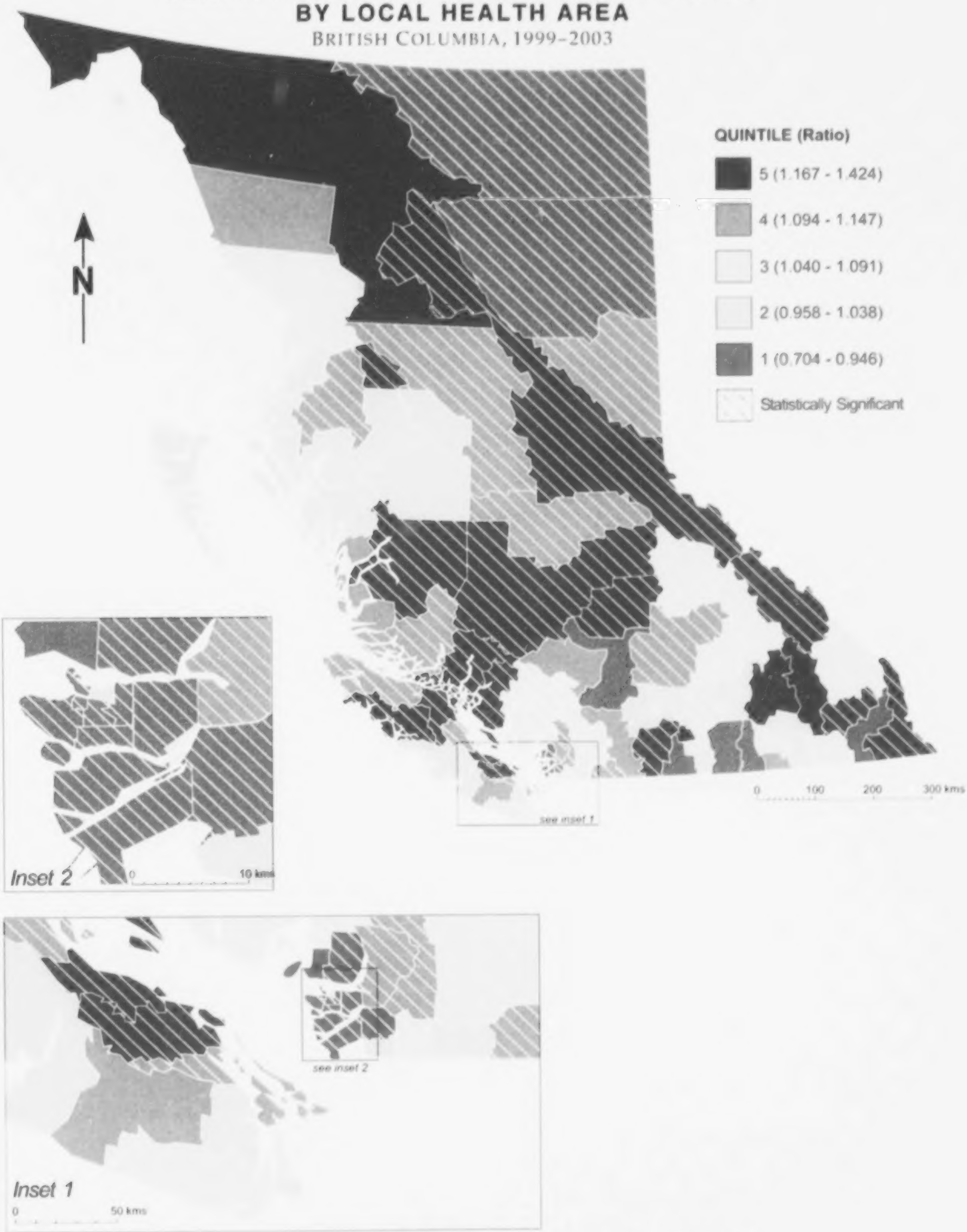
Local	Health Area	1999–2003 Observed Births	1999–2003 Ratio(p)	1999–2003 Percent	1999–2003 Total Live Births	2004 Observed Births	2004 Expected Births	2004 Ratio(p)	2004 Percent	2004 Total Live Births
001	Fernie	267	1.27 *	43.8	609	57	41.9	1.36 *	46.7	122
002	Cranbrook	365	0.92	31.7	1,150	68	71.1	0.96	32.9	207
003	Kimberley	119	1.22 *	42.2	282	17	19.6	0.87	29.8	57
004	Windermere	122	1.07	37.2	328	29	25.1	1.16	39.7	73
005	Creston	254	1.09	37.7	673	41	34.7	1.18	40.6	101
006	Kootenay Lake	71	1.18	40.8	174	19	13.4	1.42	48.7	39
007	Nelson	366	0.98	33.9	1,079	88	78.7	1.12	38.4	229
009	Castlegar	189	1.08	37.6	503	30	27.5	1.09	37.5	80
010	Arrow Lakes	84	1.19	41.2	204	10	12.0	0.83	28.6	35
011	Trail	287	1.12	38.7	742	44	41.2	1.07	36.7	120
012	Grand Forks	97	0.89	30.9	314	22	25.4	0.87	29.7	74
013	Kettle Valley	40	0.89	31.0	129	5	11.0	0.45	15.6	32
014	Southern Okanagan	222	0.98	34.0	652	41	44.0	0.93	32.0	128
015	Penticton	561	1.07	37.2	1,508	108	93.1	1.16	39.9	271
016	Keremeos	67	0.93	32.2	208	14	10.0	1.40	48.3	29
017	Princeton	62	1.35 *	46.6	133	7	7.9	0.89	30.4	23
018	Golden	145	1.21 *	41.8	347	33	18.2	1.81 *	62.3	53
019	Revelstoke	137	1.04	36.1	380	33	27.2	1.22	41.8	79
020	Salmon Arm	406	1.05	36.3	1,118	93	72.5	1.28 *	44.1	211
021	Armstrong - Spallumcheen	140	1.02	35.3	397	21	25.1	0.84	28.8	73
022	Vernon	908	1.01	35.1	2,585	196	180.1	1.09	37.4	524
023	Central Okanagan	2,229	0.96 *	33.2	6,718	475	463.6	1.02	35.2	1,349
024	Kamloops	1,690	1.10 *	38.1	4,440	333	313.4	1.06	36.5	912
025	100 Mile House	249	1.29 *	44.7	557	44	37.1	1.19	40.7	108
026	North Thompson	89	1.09	37.7	236	15	15.5	0.97	33.3	45
027	Cariboo - Chilcotin	744	1.36 *	47.0	1,583	129	95.5	1.35 *	46.4	278
028	Quesnel	482	1.14 *	39.4	1,223	96	77.3	1.24 *	42.7	225
029	Lillooet	115	1.11	38.3	300	25	17.5	1.43	49.0	51
030	South Cariboo	93	0.94	32.6	285	23	18.6	1.24	42.6	54
031	Merritt	190	1.04	36.0	528	36	36.1	1.00	34.3	105
032	Hope	149	1.13	39.3	379	30	25.1	1.20	41.1	73
033	Chilliwack	1,580	1.12 *	38.8	4,072	370	315.9	1.17 *	40.3	919
034	Abbotsford	2,743	0.99	34.5	7,961	532	543.7	0.98	33.6	1,582
035	Langley	2,274	1.07 *	37.0	6,149	478	422.4	1.13 *	38.9	1,229
037	Delta	1,557	0.89 *	30.9	5,034	304	329.3	0.92	31.7	958
038	Richmond	2,259	0.84 *	29.1	7,770	454	533.8	0.85 *	29.2	1,553
040	New Westminster	1,212	1.09 *	37.8	3,207	252	214.1	1.18 *	40.4	623
041	Burnaby	3,162	0.89 *	30.7	10,290	583	699.4	0.83 *	28.6	2,035
042	Maple Ridge	1,671	1.11 *	38.6	4,332	356	327.5	1.09	37.4	953
043	Coquitlam	4,019	1.09 *	37.9	10,600	737	706.6	1.04	35.8	2,056
044	North Vancouver	2,103	0.93 *	32.4	6,492	441	463.6	0.95	32.7	1,349
045	West Vancouver-Bowen Is.	492	0.93	32.1	1,531	73	95.9	0.76 *	26.2	279
046	Sunshine Coast	353	1.06	36.7	963	57	53.6	1.06	36.5	156
047	Powell River	314	1.18 *	40.7	771	50	46.1	1.09	37.3	134
048	Howe Sound	738	1.09 *	37.6	1,961	132	140.6	0.94	32.3	409
049	Bella Coola Valley	111	1.28 *	44.2	251	22	16.2	1.36	46.8	47
050	Queen Charlotte	111	0.97	33.7	329	34	22.3	1.52 *	52.3	65
051	Snow Country	17	1.04	36.2	47	2	1.7	1.16	40.0	5
052	Prince Rupert	371	0.99	34.4	1,079	51	59.5	0.86	29.5	173
053	Upper Skeena	169	1.30 *	45.2	374	36	24.1	1.50 *	51.4	70
054	Smithers	416	1.00	34.5	1,205	69	76.0	0.91	31.2	221
055	Burns Lake	158	1.01	35.0	452	37	31.3	1.18	40.7	91
056	Nechako	444	1.11 *	38.5	1,152	77	75.6	1.02	35.0	220
057	Prince George	2,181	1.17 *	40.4	5,394	438	355.4	1.23 *	42.4	1,034
059	Peace River South	552	1.10 *	38.1	1,450	111	93.5	1.19	40.8	272
060	Peace River North	710	0.85 *	29.6	2,402	147	170.8	0.86	29.6	497
061	Greater Victoria	2,936	0.99	34.3	8,559	615	610.7	1.01	34.6	1,777
062	Sooke	1,027	1.05	36.5	2,812	222	202.8	1.09	37.6	590
063	Saanich	739	1.07	37.0	1,999	152	135.1	1.13	38.7	393
064	Gulf Islands	174	1.09	37.9	459	24	25.8	0.93	32.0	75
065	Cowichan	837	0.99	34.2	2,450	198	172.2	1.15 *	39.5	501
066	Lake Cowichan	89	1.12	38.7	230	18	17.2	1.05	36.0	50
067	Ladysmith	277	1.15 *	39.7	697	59	47.1	1.25	43.1	137
068	Nanaimo	1,980	1.42 *	49.3	4,015	369	282.9	1.30 *	44.8	823
069	Qualicum	573	1.40 *	48.7	1,177	91	76.6	1.19	40.8	223
070	Alberni	534	1.03	35.8	1,490	118	100.4	1.18	40.4	292
071	Courtenay	921	1.12 *	38.8	2,375	196	159.8	1.23 *	42.2	465
072	Campbell River	871	1.33 *	46.0	1,895	127	112.0	1.13	39.0	326
075	Mission	788	1.07	36.9	2,133	161	144.7	1.11	38.2	421
076	Agassiz - Harrison	152	1.08	37.4	406	32	34.4	0.93	32.0	100
077	Summerland	153	1.17	40.6	377	24	22.7	1.06	36.4	66
078	Enderby	107	1.04	36.1	296	20	20.3	0.99	33.9	59
080	Kitimat	200	1.00	34.5	579	46	32.0	1.44 *	49.5	93
081	Fort Nelson	111	0.70 *	24.4	455	27	37.5	0.72	24.8	109
083	Central Coast	46	1.10	38.0	121	7	7.6	0.93	31.8	22
084	Vancouver Island West	78	1.34 *	46.4	168	18	12.4	1.45	50.0	36
085	Vancouver Island North	328	1.13 *	39.0	841	62	51.9	1.19	41.1	151
087	Stikine	17	1.17	40.5	42	3	1.4	2.18	75.0	4
088	Terrace	539	1.12 *	38.9	1,386	97	84.2	1.15	39.6	245
092	Nisgaia	50	0.97	33.8	148	10	8.9	1.12	38.5	26
094	Telegraph Creek	18	1.11	38.3	47	2	2.7	0.73	25.0	8
161	Vancouver - City Centre	1,225	0.95 *	32.8	3,739	251	282.2	0.89	30.6	821
162	Vancouver - Downtown E.side	777	0.98	34.1	2,279	149	157.1	0.95	32.6	457
163	Vancouver - North East	1,597	0.81 *	28.2	5,669	302	370.2	0.82 *	28.0	1,077
164	Vancouver - Westside	1,713	0.94 *	32.4	5,286	308	354.3	0.87 *	29.9	1,031
165	Vancouver - Midtown	1,576	0.87 *	30.3	5,198	284	333.7	0.85 *	29.2	971
166	Vancouver - South	1,852	0.85 *	29.3	6,314	328	441.3	0.74 *	25.5	1,284
201	Surrey	6,486	0.86 *	29.8	21,733	1,332	1,524.3	0.87 *	30.0	4,435
202	South Surrey/White Rock	842	1.02	35.4	2,378	180	191.8	0.94	32.3	558
	PROVINCIAL TOTAL	**70,274**	**1.00**	**34.7**	**202,804**	**13,857**	**13,857.0**	**1.00**	**34.4**	**40,318**

Note: *Statistical testing indicates that the observed number of births with perinatal complications is signficantly different from the expected ($p<0.05$, two tailed). Percent of observed births is based on total live births. Ratio-observed over the expected. Non-residents are excluded.

FIGURE 34

PERINATAL COMPLICATIONS IN LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1999–2003


N
QUINTILE (Ratio)
5 (1.167 - 1.424)
4 (1.094 - 1.147)
3 (1.040 - 1.091)
2 (0.958 - 1.038)
1 (0.704 - 0.946)
Statistically Significant
0 100 200 300 kms
see inset 1
Inset 2
0 10 kms
see inset 2
Inset 1
0 50 kms

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of Local Health Area

HIGHLIGHTS TO TABLE 20/FIGURE 34

- There were 15 Local Health Areas (LHAs) with statistically significant and high perinatal complication ratios in 2004. The five LHAs with the highest ratios that were statistically significant (number of births with perinatal complications in parentheses) were:

018	Golden	(33)	1.81
050	Queen Charlotte	(34)	1.52
053	Upper Skeena	(36)	1.50
080	Kitimat	(46)	1.44
001	Fernie	(57)	1.36

- Golden, Upper Skeena, and Fernie also had statistically significant and high ratios for the 1999-2003 period.
- The eight LHAs that had statistically significant and low perinatal complication ratios in 2004 (number of births with perinatal complications in parentheses) were:

166	Vancouver - South	(328)	0.74
045	West Vancouver-Bowen Island	(73)	0.76
163	Vancouver - North East	(302)	0.82
041	Burnaby	(583)	0.83
038	Richmond	(454)	0.85
165	Vancouver - Midtown	(284)	0.85
201	Surrey	(1,332)	0.87
164	Vancouver - Westside	(308)	0.87

- All of the above LHAs except West Vancouver-Bowen Island also had statistically significant and low ratios for 1999-2003.
- There were 28 LHAs with statistically significant and high perinatal complication ratios in 1999-2003. The five LHAs with the highest ratios that were statistically significant (number of births with perinatal complications in parentheses) were:

068	Nanaimo	(1,980)	1.42
069	Qualicum	(573)	1.40
027	Cariboo-Chilcotin	(744)	1.36
017	Princeton	(62)	1.35
084	Vancouver Island West	(78)	1.34

- There were 13 LHAs with statistically significant and low perinatal complication ratios in 1999-2003. The five LHAs with the lowest ratios that were statistically significant (number of births with perinatal complications in parentheses) were:

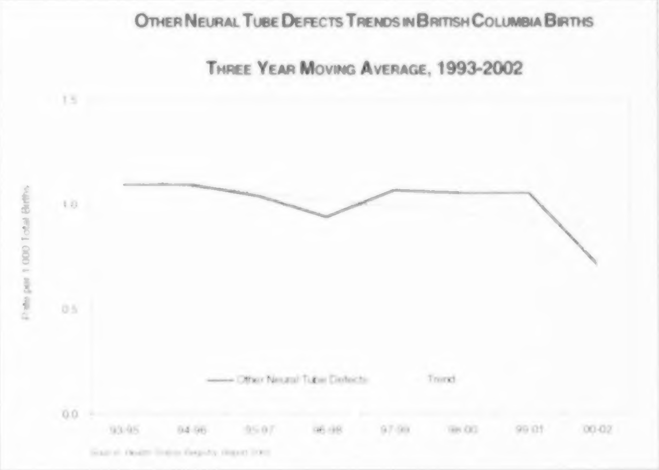
081	Fort Nelson	(111)	0.70
163	Vancouver - North East	(1,597)	0.81
038	Richmond	(2,259)	0.84
166	Vancouver - South	(1,852)	0.85
060	Peace River North	(710)	0.85

Vital Statistics Information Box

NEURAL TUBE DEFECTS

Neural tube defects (NTDs) are the result of the neural tube failing to close properly during the fourth week of pregnancy, a time when many women may be unaware that they are pregnant. NTDs include anencephaly, the absence of a major portion of the brain, spina bifida, a condition where the spinal column fails to close around the spinal cord, and encephalocele, where the brain protrudes through an opening in the skull. If not stillborn, infants with anencephaly are usually blind, deaf, unconscious, and unable to feel pain; typically these infants die within a few hours or days after birth. The degree of disability from other neural tube defects can range from almost none to paralysis.

One way to reduce the incidence of neural tube defects is to ensure that women who may become pregnant meet the daily-recommended intake of 0.4 mg of folic acid (Vitamin B12) either through diet or vitamin supplements. Since the introduction of folic acid recommendations in 1994 and the introduction of food fortification in 1999, the incidence of other neural tube defects (spina bifida and encephalocele) in British Columbia appears to have fallen, although the decrease from 1993-2002 was not statistically significant. The graph presents data from the Health Status Registry Report 2005, which provides information about neural tube defects, other congenital anomalies, genetic defects, and selected disabilities. The report is available at http://www.vs.gov.bc.ca/stats/hsr/index.html.

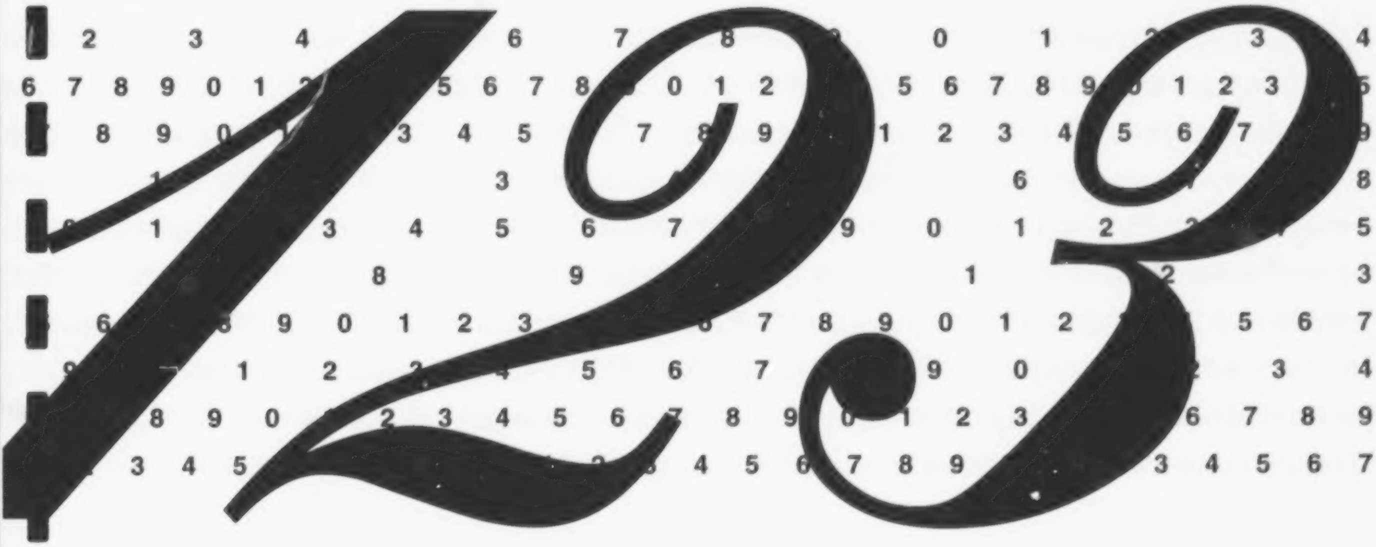

OTHER NEURAL TUBE DEFECTS TRENDS IN BRITISH COLUMBIA BIRTHS

THREE YEAR MOVING AVERAGE, 1993-2002

Source: Health Status Registry Report 2005

The Health Status Registry is a partner in the long term national study of the impact of folic acid fortification on the epidemiology of neural tube defects in Canada. Results of this study will be available in a few years.

Death-related Statistics



Summary

Statistics arising from death events are presented in this section. Included are tables and figures containing information about deaths by age, gender, and cause. Deaths are assigned to a Local Health Area (LHA) based on the usual residence of the decedent. Topics of particular interest are leading causes of death, infant mortality, alcohol-related, drug-induced, and smoking-attributable causes, deaths from HIV disease, and deaths from accidents, and violence. Mortality statistics include Age Standardized Mortality Rates (ASMR), Standardized Mortality Ratios (SMR), Potential Years of Life Lost (PYLL), Potential Years of Life Lost Index (PYLLI), and Potential Years of Life Lost Standardized Rate (PYLLSR). Standardized measures are used to compare deaths in different geographical areas by age, gender, and cause. In addition, maps are provided to geographically illustrate various patterns of mortality in British Columbia.

Statistics from deaths in 2004 are summarized below:

- There were 29,652 deaths in British Columbia in 2004. More than half (51.0%) were males (15,112 males and 14,539 females). Over three quarters (78.3%) were seniors age 65 or older (23,216 deaths), and the oldest age group (80 years of age or more) accounted for almost half (48.3) of all 2004 deaths (14,323 deaths).
- The Age Standardized Mortality Rate (ASMR) for all causes of death in 2004 was 53.42 per 10,000 standard population. The 2004 ASMR for males was 64.29 and for females it was 44.30.
- In recent years, malignant neoplasms (cancer), cardiovascular disease, and cerebrovascular diseases have been the top three leading causes of death in the province, when ranked either by number of deaths or by age standardized mortality rates (ASMR). These causes were responsible for the majority of deaths (58.6%) in the province in 2004.
- There were 168 infant deaths (under one year of age) and 280 stillbirths in 2004.
- The infant mortality rate for births with very low birth weight (less than 1,500 grams) was more than one in four (263.74 per 1,000 live births). The infant mortality rate for the babies with a gestational age of 20-27 weeks at birth was 485.55 per 1,000 live births. Every live birth with a gestational age less than 20 weeks died.
- In 2004, there were 1,604 deaths from external causes among B.C. residents. Suicides (436 deaths) and motor vehicle accidents (370) each accounted for approximately one in four deaths due to external causes (27.2% and 23.1% respectively). Accidental falls (321) accounted for a fifth (20.0%) and accidental poisoning (212) accounted for roughly one eighth (13.2%) of the external causes of death.
- Out of the 29,652 deaths in B.C. in 2004, 11,390 (38.4%) were under age 75. An average of 16.5 years of life were lost per death under 75 years of age.
- There were 1,860 alcohol-related deaths in 2004. Almost half (45.2 %) of all alcohol related deaths were seniors (723 deaths aged 65-84 and 117 aged 85+) and four tenths (40.0%) were aged 45-64 (744 deaths).
- In 2004, there were 6,027 deaths that were attributed to smoking. Three in five smoking-attributable deaths (59.0%) were males (3,558 deaths).
- There were 309 deaths to B.C. residents from drug-induced causes in 2004.

TABLE 21

CAUSES OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2004

			Age Group (in Years)										Total		
ICD-10 Code(s)	Causes of Death	Gender	<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Number	Percent	ASMR
A00-B99	Certain infectious and parasitic diseases	M	4	-	-	-	-	1	49	131	72	79	336	2.2	1.38
		F	-	-	-	1	1	1	20	31	59	119	232	1.6	0.73
		T	4	-	-	1	1	2	69	162	131	198	568	1.9	1.05
C00-D48	Neoplasms	M	-	-	3	1	5	5	117	1,043	2,044	1,282	4,500	29.8	18.90
		F	-	2	2	3	2	5	116	1,022	1,537	1,405	4,094	28.2	14.01
		T	-	2	5	4	7	10	233	2,065	3,581	2,687	8,594	29.0	16.11
D50-D89	Diseases of blood and blood-forming organs, certain immune mechanisms	M	-	-	-	-	-	1	1	6	6	13	27	0.2	0.11
		F	-	-	-	-	-	-	-	5	12	29	46	0.3	0.13
		T	-	-	-	-	-	1	1	11	18	42	73	0.2	0.13
E00-E90	Endocrine/nutritional/metabolic diseases	M	1	2	-	-	2	-	22	117	252	276	672	4.4	2.84
		F	2	1	2	2	-	-	5	56	200	309	577	4.0	1.80
		T	3	3	2	2	2	-	27	173	452	585	1,249	4.2	2.26
F00-F99	Mental and behavioural disorders	M	-	-	-	-	-	2	16	57	85	158	318	2.1	1.34
		F	-	-	-	-	-	1	7	34	69	393	504	3.5	1.33
		T	-	-	-	-	-	3	23	91	154	551	822	2.8	1.37
G00-G99	Diseases of the nervous system	M	-	-	2	-	-	4	18	65	164	256	509	3.4	2.14
		F	3	-	2	-	2	2	7	40	147	436	639	4.4	1.84
		T	3	-	4	-	2	6	25	105	311	692	1,148	3.9	1.99
H00-H59	Diseases of the eye and adnexa	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-
		T	-	-	-	-	-	-	-	-	-	-	-	-	-
H60-H95	Diseases of the ear and mastoid process	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-
		T	-	-	-	-	-	-	-	-	-	-	-	-	-
I00-I99	Diseases of the circulatory system	M	1	-	2	-	-	4	77	711	1,585	2,424	4,804	31.8	20.25
		F	-	2	-	-	1	3	32	244	1,025	3,708	5,015	34.5	13.65
		T	1	2	2	-	1	7	109	955	2,610	6,132	9,819	33.1	16.67
J00-J99	Diseases of the respiratory system	M	-	-	-	1	1	1	14	130	497	843	1,487	9.8	6.32
		F	1	-	-	-	1	-	5	83	346	1,102	1,538	10.6	4.26
		T	1	-	-	1	2	1	19	213	843	1,945	3,025	10.2	5.13
K00-K93	Diseases of the digestive system	M	1	-	-	-	-	4	20	177	166	186	554	3.7	2.30
		F	-	1	-	-	1	1	18	81	142	331	575	4.0	1.75
		T	1	1	-	-	1	5	38	258	308	517	1,129	3.8	2.02
L00-L99	Diseases of the skin and subcutaneous tissue	M	-	-	-	-	-	-	1	2	7	13	23	0.2	0.10
		F	-	-	-	-	-	-	-	1	5	29	35	0.2	0.09
		T	-	-	-	-	-	-	1	3	12	42	58	0.2	0.09
M00-M99	Diseases of the musculoskeletal system and connective tissue	M	-	-	-	-	1	-	-	7	12	30	50	0.3	0.21
		F	-	-	-	-	-	-	2	18	35	70	125	0.9	0.38
		T	-	-	-	-	1	-	2	25	47	100	175	0.6	0.30
N00-N99	Diseases of the genitourinary system	M	-	-	-	1	-	1	2	18	98	175	295	2.0	1.26
		F	-	-	-	-	-	-	3	15	59	250	327	2.2	0.88
		T	-	-	-	1	-	1	5	33	157	425	622	2.1	1.04
O00-O99	Complications of pregnancy, childbirth and the puerperium	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	1	1	-	-	-	2	0.0	+
		T	-	-	-	-	-	1	1	-	-	-	2	0.0	+
P00-P96	Certain conditions originating in the perinatal period	M	47	-	1	1	-	-	-	-	-	-	49	0.3	0.34
		F	48	-	-	-	-	-	-	-	-	-	48	0.3	0.36
		T	96	-	1	1	-	-	-	-	-	-	98	0.3	0.35
Q00-Q99	Congenital anomalies	M	12	3	2	2	1	2	6	1	2	1	32	0.2	0.19
		F	23	-	1	-	1	1	3	14	1	4	48	0.3	0.27
		T	35	3	3	2	2	3	9	15	3	5	80	0.3	0.23
R00-R99	Symptoms, signs and ill-defined conditions, unknown causes	M	12	3	-	1	20	30	105	110	40	26	347	2.3	1.59
		F	9	6	1	5	8	12	42	64	32	60	239	1.6	0.96
		T	21	9	1	6	28	42	147	174	72	86	586	2.0	1.28
V01-Y98	External causes	M	3	4	3	10	43	75	341	378	117	135	1,109	7.3	5.00
		F	-	-	4	2	14	16	103	98	77	181	495	3.4	1.84
		T	3	4	7	12	57	91	444	476	194	316	1,604	5.4	3.40
	All causes	**M**	**81**	**12**	**13**	**17**	**73**	**130**	**789**	**2,953**	**5,147**	**5,897**	**15,112**	**100.0**	**64.29**
		F	**86**	**12**	**12**	**13**	**31**	**43**	**364**	**1,806**	**3,746**	**8,426**	**14,539**	**100.0**	**44.30**
	PROVINCIAL TOTAL	**T**	**168**	**24**	**25**	**30**	**104**	**173**	**1,153**	**4,759**	**8,893**	**14,323**	**29,652**	**100.0**	**53.42**

Note: ASMR – Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census). Total percentage may not add up to 100 due to rounding. + Denotes the number of cases is less than five. Non-residents are excluded. Total includes unknown gender. The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

HIGHLIGHTS TO TABLE 21

- There were 29,652 deaths in British Columbia in 2004. More than half (51.0%) were males (15,112 males and 14,539 females). Over three quarters (78.3%) were seniors age 65 or older (23,216 deaths), and the oldest age group (80 years of age or more) accounted for almost half (48.3) of all 2004 deaths (14,323 deaths).
- The Age Standardized Mortality Rate (ASMR) for all causes of death in 2004 was 53.42 per 10,000 standard population. The 2004 ASMR for males was 64.29 and for females it was 44.30.
- Circulatory system diseases were responsible for almost a third (33.1%) of all deaths in 2004 (9,819). It was the leading cause of death of the elderly aged 80 or older (6,132 deaths) who accounted for more than six out of every ten (62.5%) of the deaths from this cause. The ASMR for circulatory system diseases was 16.67 per 10,000 standard population.
- More than one in four deaths (29.0%) in 2004 was due to neoplasms, which include both malignant neoplasms (cancer) and non-malignant neoplasms (8,594 deaths total). The ASMR for neoplasms was 16.11 per 10,000 standard population.
- In 2004, one in ten deaths (10.2%) was due to respiratory system diseases (3,025), and the ASMR for respiratory system diseases was 5.13 per 10,000 standard population. These deaths, including pneumonia/ influenza and chronic pulmonary disease, tend to occur in older age groups. In 2004, 92.2% of deaths from respiratory system diseases were seniors (age 65 and older).
- External causes of death claimed 1,604 lives in 2004 and more than two thirds (69.1%) were males (1,109 deaths). External causes claimed many young lives, in contrast to the older age profile of deaths from natural causes. Unintentional injuries were the leading cause of death category in all age groups between 1 and 44 years of age (see Table 23).

TABLE 22

TWELVE LEADING CAUSES OF DEATH

BRITISH COLUMBIA, 1999–2003 AND 2004

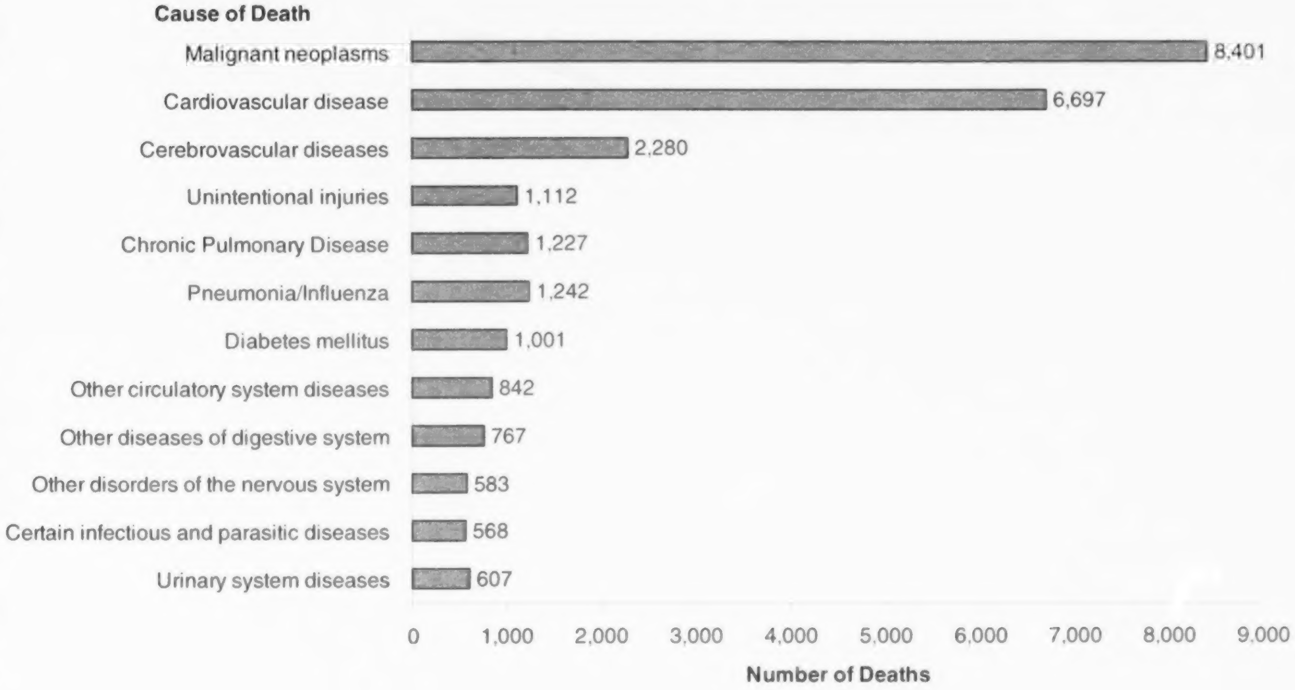
Cause of Death	ICD-10 Code(s)	1999–2003 Number	Rank	ASMR	Rank	2004 Number	Rank	ASMR	Rank
Malignant neoplasms	C00-C97	38,974	1	15.92	1	8,401	1	15.77	1
Cardiovascular disease	I00-I51	34,762	2	13.24	2	6,697	2	11.38	2
Cerebrovascular diseases	I60-I69	11,246	3	4.20	3	2,280	3	3.79	3
Unintentional injuries	V01-X59, Y40-Y86, Y880-Y833	6,696	4	3.01	4	1,112	6	2.31	4
Chronic Pulmonary Disease	J40-J44	6,050	6	2.33	6	1,227	5	2.16	5
Pneumonia/Influenza	J10-J181, J188, J189	6,384	5	2.33	5	1,242	4	2.01	6
Diabetes mellitus	E10-E14	3,909	7	1.55	7	1,001	7	1.81	7
Other circulatory system diseases	I70-I99	3,094	9	1.19	9	842	8	1.51	8
Other diseases of digestive system	K00-K67, K80-K93	3,651	8	1.39	8	767	9	1.31	9
Other disorders of the nervous system	G00-G25, G31-G99	2,806	10	1.14	10	583	11	1.09	10
Certain infectious and parasitic diseases	A00-B99	2,292	12	0.94	11	568	12	1.05	11
Urinary system diseases	N00-N39, N990, N991, N995	2,451	11	0.92	12	607	10	1.01	12
Other causes'		18,942		7.80		4,325		8.24	
TOTAL (All causes of death)		**141,257**		**55.95**		**29,652**		**53.42**	

Note: 'Other causes includes undetermined and pending.
ASMR – Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
The ASMR in the current year determined the order in which the causes of death are presented.
Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time.
Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 35

TWELVE LEADING CAUSES OF DEATH

BRITISH COLUMBIA, 2004



HIGHLIGHTS TO TABLE 22/FIGURE 35

- In recent years, malignant neoplasms (cancer), cardiovascular disease, and cerebrovascular diseases have been the top three leading causes of death in the province, when ranked either by number of deaths or by age standardized mortality rates (ASMR). These causes were responsible for the majority of deaths (58.6%) in the province in 2004.
- More than one in four deaths (28.3%) in 2004 were due to malignant neoplasms (8,401 deaths). The ASMR for malignant neoplasms was 15.77 deaths per 10,000 standard population in 2004 and 15.92 in 1999-2003.
- Cardiovascular disease was the second leading cause of death in 2004, accounting for more than a fifth (22.6%) of all deaths (6,697) with an ASMR of 11.38 per 10,000 standard population in 2004 and 13.24 in 1999-2003.
- The third leading cause of death in 2004 was cerebrovascular diseases (2,280 deaths) causing one in thirteen deaths (7.7%). The ASMR for cerebrovascular diseases was 3.79 per 10,000 standard population in 2004 and 4.20 in 1999-2003.
- Pneumonia/influenza was the fourth leading cause of death in 2004 based on the number of deaths (1,242), but the sixth based on ASMR (2.01 per 10,000 standard population). Pneumonia/influenza had the fifth highest number of deaths (6,384) and ASMR (2.33) in 1999-2003.
- Chronic pulmonary disease was the fifth leading cause of death in 2004 based on the number of deaths (1,227) and ASMR (2.16 per 10,000 standard population). Chronic pulmonary disease had the sixth highest number of deaths (6,050) and ASMR (2.33) in 1999-2003.
- Unintentional injuries were the sixth leading cause of death in 2004 based on the number of deaths (1,112), but fourth based on ASMR (2.31 per 10,000 standard population). Unintentional injuries had the fourth highest number of deaths (6,696) and ASMR (3.01) in 1999-2003.

TABLE 23

LEADING CAUSES OF DEATH BY AGE AND GENDER

BRITISH COLUMBIA, 2004

		Males		Females		Total	
Cause of Death	ICD-10 Code(s)	Number	Percent	Number	Percent	Number	Percent
Under 1 Year Old							
1. Certain conditions originating in the perinatal period	P00-P96	47	58.0	48	55.8	96	57.1
2. Congenital malformations and chromosome abnormalities	Q00-Q99	12	14.8	23	26.7	35	20.8
3. Sudden infant death syndrome (SIDS)	R95	8	9.9	1	1.2	9	5.4
4. Certain infectious and parasitic diseases	A00-B99	4	4.9	-	-	4	2.4
5. Metabolic disorders	E70-E89	1	1.2	2	2.3	3	1.8
Other causes[1]		9	11.1	12	14.0	21	12.5
All causes		**81**	**100.0**	**86**	**100.0**	**168**	**100.0**
1-14 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	14	33.3	5	13.5	19	24.1
2. Malignant neoplasms	C00-C97	4	9.5	6	16.2	10	12.7
3. Congenital malformations and chromosome abnormalities	Q00-Q99	7	16.7	1	2.7	8	10.1
4. Metabolic disorders	E70-E89	1	2.4	5	13.5	6	7.6
5. Suicide	X60-X84, Y870	3	7.1	1	2.7	4	5.1
Other causes[1]		13	31.0	19	51.4	32	40.5
All causes		**42**	**100.0**	**37**	**100.0**	**79**	**100.0**
15-24 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	72	35.5	21	28.4	93	33.6
2. Suicide	X60-X84, Y870	37	18.2	7	9.5	44	15.9
3. Malignant neoplasms	C00-C97	10	4.9	6	8.1	16	5.8
4. Homicide	X85-Y09, Y871	8	3.9	2	2.7	10	3.6
5. Other disorders of the nervous system	G00-G25, G31-G99	4	2.0	4	5.4	8	2.9
Other causes[1]		72	35.5	34	45.9	106	38.3
All causes		**203**	**100.0**	**74**	**100.0**	**277**	**100.0**
25-44 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	205	26.0	69	19.0	274	23.8
2. Malignant neoplasms	C00-C97	111	14.1	114	31.3	225	19.5
3. Suicide	X60-X84, Y870	113	14.3	32	8.8	145	12.6
4. Cardiovascular disease	I00-I51	60	7.6	25	6.9	85	7.4
5. Certain infectious and parasitic diseases	A00-B99	49	6.2	20	5.5	69	6.0
Other causes[1]		251	31.8	104	28.6	355	30.8
All causes		**789**	**100.0**	**364**	**100.0**	**1,153**	**100.0**
45-64 Years Old							
1. Malignant neoplasms	C00-C97	1,021	34.6	1,016	56.3	2,037	42.8
2. Cardiovascular disease	I00-I51	519	17.6	163	9.0	682	14.3
3. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y88	233	7.9	54	3.0	287	6.0

(concluded on next page)

Note: Order of leading causes based on total deaths in the specified age group.

[1] Other causes includes undetermined and pending. Total includes unknown gender.

Total percentage may not add up to 100 due to rounding. Non-residents are excluded.

The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

TABLE 23 – *concluded*

LEADING CAUSES OF DEATH BY AGE AND GENDER

BRITISH COLUMBIA, 2004

		Males		Females		Total	
Cause of Death	ICD-10 Code(s)	Number	Percent	Number	Percent	Number	Percent
4. Suicide	X60-X84, Y870	131	4.4	39	2.2	170	3.6
5. Diseases of liver	K70-K76	121	4.1	48	2.7	169	3.6
Other causes[1]		928	31.4	486	26.9	1,414	29.7
All causes		**2,953**	**100.0**	**1,806**	**100.0**	**4,759**	**100.0**
65-84 Years Old							
1. Malignant neoplasms	C00-C97	2,647	34.6	2,180	34.5	4,827	34.6
2. Cardiovascular disease	I00-I51	1,781	23.3	1,269	20.1	3,050	21.8
3. Cerebrovascular diseases	I60-I69	490	6.4	542	8.6	1,032	7.4
4. Chronic Pulmonary Disease	J40-J44	412	5.4	344	5.4	756	5.4
5. Diabetes mellitus	E10-E14	327	4.3	265	4.2	592	4.2
Other causes[1]		1,989	26.0	1,724	27.3	3,713	26.6
All causes		**7,646**	**100.0**	**6,324**	**100.0**	**13,970**	**100.0**
85 Years and Older							
1. Cardiovascular disease	I00-I51	1,035	30.5	1,835	31.4	2,870	31.0
2. Malignant neoplasms	C00-C97	603	17.7	683	11.7	1,286	13.9
3. Cerebrovascular diseases	I60-I69	323	9.5	749	12.8	1,072	11.6
4. Pneumonia/Influenza	J10-J181, J188, J189	279	8.2	466	8.0	745	8.1
5. Vascular/senile dementia	F01, F03	86	2.5	295	5.0	381	4.1
Other causes[1]		1,072	31.5	1,820	31.1	2,892	31.3
All causes		**3,398**	**100.0**	**5,848**	**100.0**	**9,246**	**100.0**

Notes for this table are on previous page.

HIGHLIGHTS TO TABLE 23

- There were 168 infant deaths (under one year of age) in 2004. Perinatal conditions were the leading cause of infant deaths (96 deaths) and congenital anomalies were second leading cause of infant deaths (35). Nine deaths from Sudden Infant Death Syndrome (SIDS) were recorded for 2004. This number may be amended in future reports as medical investigations are completed.

- There were 79 deaths of children in the 1-14 age group in 2004. Unintentional injuries were the leading cause of death in this age group, with 19 deaths (14 boys and 5 girls or 73.7% males). Malignant neoplasms (cancer), the second leading cause of death for this age group, claimed 10 young lives: 4 boys and 6 girls.

- Unintentional injuries were responsible for a third (33.6%) of the deaths in the 15-24 year age group (93 out of 277 deaths).The second leading cause of death was suicide, which claimed 44 lives (15.9% of the deaths in this age group). There were 16 deaths from malignant neoplasms making this the third leading cause of death for 15-24 year olds.

- There were 1,153 deaths in the 25-44 year age group in 2004. For men in this age group, the leading cause of death was unintentional injuries (205 deaths), followed by suicide (113 deaths) and malignant neoplasms (111 deaths). For women in this age group, malignant neoplasms were was the leading cause of death (114 deaths), followed by unintentional injuries (69 deaths).

- The leading causes of death in the 45-64 year age group were malignant neoplasms (2,037 deaths), cardiovascular disease (682), and unintentional injuries (287). There were 2,953 male deaths and 1,806 female deaths in this age group. More than a third (34.6%) of the male deaths and more than half (56.3%) the female deaths in this age group were due to malignant neoplasms (1,021 male and 1,016 female deaths).

- In 2004, malignant neoplasms, cardiovascular disease, and cerebrovascular diseases were the leading causes of death for both men and women in the 65-84 year age group. In total these causes account for almost two thirds (63.8%) of all of the deaths in this age group.

- The leading causes of death in the 85 and older age group were cardiovascular disease, malignant neoplasms, and cerebrovascular diseases. Deaths from cardiovascular diseases (2,870) accounted for almost a third (31.0%) of the 9,246 deaths in this age group.

Vital Statistics Information Box

ACCIDENTAL ILLICIT DRUG DEATHS

BRITISH COLUMBIA, 2000-2004

In 1993, British Columbia experienced an unprecedented "high water" mark in accidental drug overdoses. In that year, 470 people died as the result of accidental poisoning by drugs. Over 300 of these were determined to be the result of illicit drug use. These included heroin and other opiates, methadone and cocaine, used alone or in various combinations and / or with a variety of other substances being used illicitly. A detailed analysis of the substances involved was published in the 1995 Vital Statistics Feature Report "Drug-Related Deaths in British Columbia 1981 – 1993". Because the International Classification of Diseases - 9th Revision (ICD-9) did not provide unique codes for many of these substances, this was an extremely complex analysis that involved examining thousands of original records to compile data on the types of drugs implicated. Since 2000 and the conversion to the 10th Revision of the International Classification of Diseases (ICD-10), the codes for many substances are much more specific, allowing for easier identification of many drugs implicated in accidental overdoses.

This information box provides a code-based analysis of deaths due to accidental illicit drug overdoses in British Columbia since 2000. It is important to note that numbers for 2004 (and to a certain extent previous years) may be revised upwards as final reports from investigating coroners are submitted to the Agency for processing (please see the Information Box on Updated External Causes of Death).

This analysis includes deaths where drug use was determined to be the "underlying cause of death" (see Glossary for the definition of this term), and where the offending substances included selected "narcotics and psychodysleptics" – heroin, morphine, methadone, and cocaine - and "psychostimulants with abuse potential", specifically so-called "crystal meth" (methamphetamine hydrochloride) and "ecstasy" (methylenedioxymethamphetamine). "Mixed drug overdoses" included at least one of the above substances, as well as any other drugs and / or alcohol. A separate total for deaths in which both heroin / morphine type drugs and cocaine were implicated is also included, because these 2 substances are used in combination relatively frequently.

Counts of Deaths by Causative Substances

Over the past five years, deaths involving heroin use appear to be declining. On the other hand, deaths where cocaine was the only substance implicated appear to be on the increase. The use of psychostimulants is a relatively new phenomenon but its place as the direct cause of accidental overdose appears to be increasing. It is also interesting to note that methadone, a substance used in the treatment of heroin addiction, is apparently being used illicitly and causing overdose deaths in and of itself.

NUMBER OF DRUG DEATHS BY CAUSATIVE SUBSTANCE

BRITISH COLUMBIA, 2000-2004

Drug	2000	2001	2002	2003	2004
Heroin / morphine	120	125	75	88	51
Methadone	20	25	26	22	18
Cocaine	76	68	63	70	72
Psychostimulants*	-	2	2	7	4
Other mixed drugs	28	18	22	14	4
Total	**244**	**238**	**188**	**201**	**149**
Heroin / cocaine deaths included above**	63	53	36	29	10

Note: *ICD-10 codes for psychostimulants include "crystal meth" and "ecstasy".
** deaths due to heroin/cocaine mix are already counted in either "heroin/ morphine type" or "cocaine" caused deaths so are excluded from the total.

(continued on page 73)

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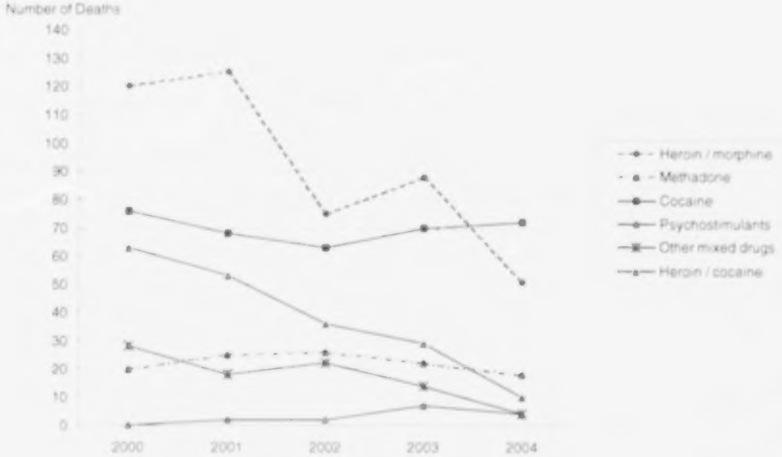
Vital Statistics Information Box

ACCIDENTAL ILLICIT OVERDOSE DEATHS BY TYPE OF DRUG

BRITISH COLUMBIA, 2000-2004



Age Standardized Mortality Rates (ASMR) by Health Authority

Age standardized mortality rates for this cause of death, in general, appear to be declining in all Health Authorities. Of note is the fact that both the Interior Health Authority and Vancouver Island Health Authority have ASMRs that rival those of Vancouver Coastal Health Authority (which includes the greater Vancouver area), indicating that the use of illicit drugs is not confined to any one area of the province. However, please note that the ASMRs for 2004 will likely increase generally as more final coroners' reports are submitted for processing.

ASMR FOR ACCIDENTAL ILLICIT DRUG DEATHS

BRITISH COLUMBIA, 2000-2004

Health Authority		2000	2001	2002	2003	2004
01	Interior	0.47	0.56	0.53	0.55	0.39
02	Fraser	0.59	0.53	0.33	0.39	0.26
03	Vancouver Coastal	0.68	0.61	0.47	0.45	0.44
04	Vancouver Island	0.53	0.61	0.69	0.57	0.30
05	Northern	0.38	0.44	0.18	0.35	0.27
	British Columbia	0.53	0.55	0.44	0.46	0.33

Note: ASMR - Age Standardized Mortality Rate per 10,000 standard population.

(continued on page 74)

(continued from page 73)

Vital Statistics Information Box

Accidental Illicit Drug Overdoses by Five-Year Age Group and Gender

The youngest accidental overdose death in the province in the past five years was in the 10-14 year age group; the substance implicated in this death was methadone. The oldest death was in the 84-89 year age group. This death was due to a mixed drug overdose and probably involved a narcotic being used licitly and in combination with other prescription drugs.

As shown in the table below, over the past five years, males were far more likely to die from accidental illicit drug overdoses than females. The only group in which female deaths were equal to males was the 15-19 year age group. The majority of deaths in both genders occurred between the ages of 30 and 49 years old.

ACCIDENTAL ILLICIT DRUG DEATHS BY AGE GROUP AND GENDER

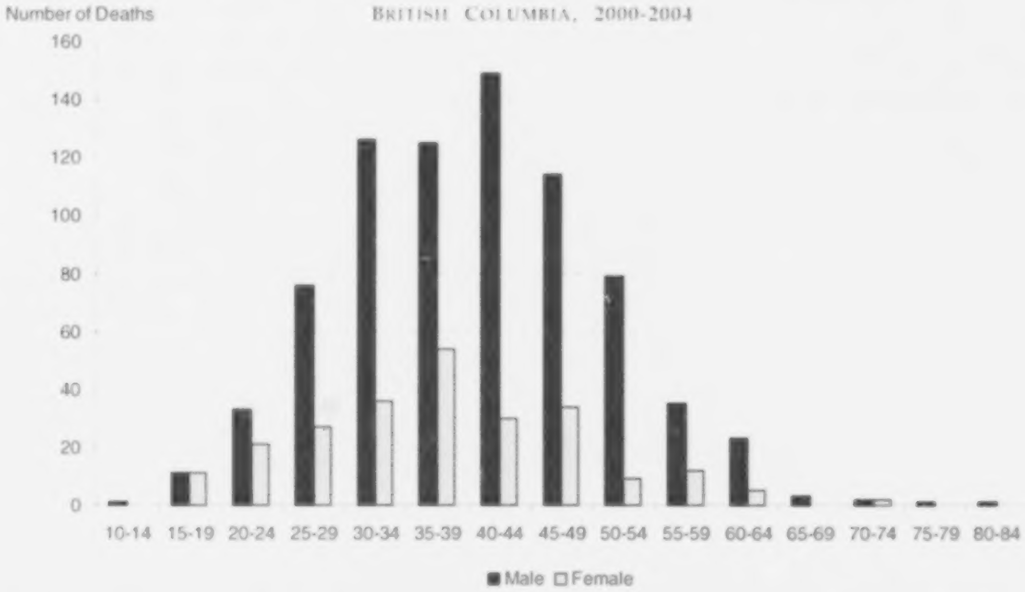


TABLE 24

INFANT MORTALITY BY AGE OF MOTHER AND BIRTH WEIGHT

BRITISH COLUMBIA, 2004

Age of Mother	Birth Weight (in Grams)				Total		
	<1500	1500–2499	2500+	N.S.	Number	Percent	Rate
<20	5	2	5	-	12	7.1	8.42
20-24	10	2	7	-	19	11.3	3.11
25-29	22	8	15	1	46	27.4	4.17
30-34	28	7	11	-	46	27.4	3.50
35-39	27	4	7	1	39	23.2	5.52
40+	3	-	2	-	5	3.0	3.19
N.S.	1	-	-	-	1	0.6	
TOTAL	**96**	**23**	**47**	**2**	**168**	**100.0**	**4.17**
Percent	**57.1**	**13.7**	**28.0**	**1.2**	**100.0**		
Rate	**263.74**	**11.58**	**1.24**		**4.17**		

Note: Infant Mortality – Age at death less than one year.
Rate per 1,000 live births in the specified age or birth weight group.
+Denotes the number of cases is less than five.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.
N.S. – Not stated.

HIGHLIGHTS TO TABLE 24

- There were 168 infant deaths (under one year of age) in 2004, for an infant mortality rate of 4.17 infant deaths per 1,000 live births.
- In 2004, the highest infant mortality rate by mother's age was 8.42 deaths per 1,000 live births for mothers aged <20 years of age and the lowest rates were 3.11 for mothers aged 20-24 and 3.19 for mothers aged 40 or more.
- Low birth weight (less than 2,500 grams) and very low birth weight (less than 1,500 grams) are risk factors for infant mortality. About seven out of ten (70.8%) infants who died in 2004 had low birth weight (119 infant deaths), and almost six out of ten (57.1%) had very low birth weight (96).
- The infant mortality rate for births with very low birth weight (less than 1,500 grams) was more than one in four (263.74 per 1,000 live births). The mortality rate decreased significantly with increased birth weight; there were 11.58 infant deaths per 1,000 live births with birth weight between 1,500 and 2,499 grams, and only 1.24 infant deaths for every 1,000 live births with normal birth weight (2,500 grams or more).

TABLE 25

INFANT MORTALITY BY GESTATIONAL AGE AND BIRTH WEIGHT

BRITISH COLUMBIA, 2004

Gestational Age (In Weeks)	Birth Weight (in Grams)				Total		
	<1500	1500–2499	2500+	N.S.	Number	Percent	Rate
<20	3	-	-	1	4	2.4	+
20-27	84	-	-	-	84	50.0	485.55
28-36	9	18	5	-	32	19.0	11.02
37-41	-	5	41	-	46	27.4	1.25
42+	-	-	1	-	1	0.6	+
N.S.	-	-	-	1	1	0.6	
TOTAL	**96**	**23**	**47**	**2**	**168**	**100.0**	**4.17**
Percent	**57.1**	**13.7**	**28.0**	**1.2**	**100.0**		
Rate	**263.74**	**11.58**	**1.24**		**4.17**		

Note: Infant Mortality - Age at death less than one year.
Rate per 1,000 live births in the specified age or birth weight group.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.
N.S. - Not stated.

HIGHLIGHTS TO TABLE 25

- Prematurity (less than 37 weeks of gestation) and low birth weight (less than 2,500 grams at birth) are both important risk factors for infant mortality. About seven out of ten infant deaths were premature (71.4%) or had low birth weight (70.8%), and 67.9% were both premature and low birth weight.
- Of the 168 infant deaths in the province in 2004, 46 were term (gestational age 37-41 weeks), 120 were premature (gestational age less than 37 weeks),1 was post term (gestational age of 42 or more weeks), and 1 did not have information on gestational age. Among term babies, there were 1.25 infant deaths per 1,000 live births. The infant mortality rate rose dramatically for premature infants; there were 11.02 infant deaths per 1,000 live births with a gestational age of 28 to 36 weeks, and 485.55 deaths per 1,000 live births with a gestational age of 20 to 27 weeks. Every live birth with a gestational age less than 20 weeks died.
- Of the 120 infant deaths that were premature, 114 were also low birth weight babies, and 87 of these were both extremely premature (gestational age of less than 28 weeks at birth) and very low birth weight (less than 1,500 grams).

Table 26

INFANT MORTALITY BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 1999–2003 AND 2004

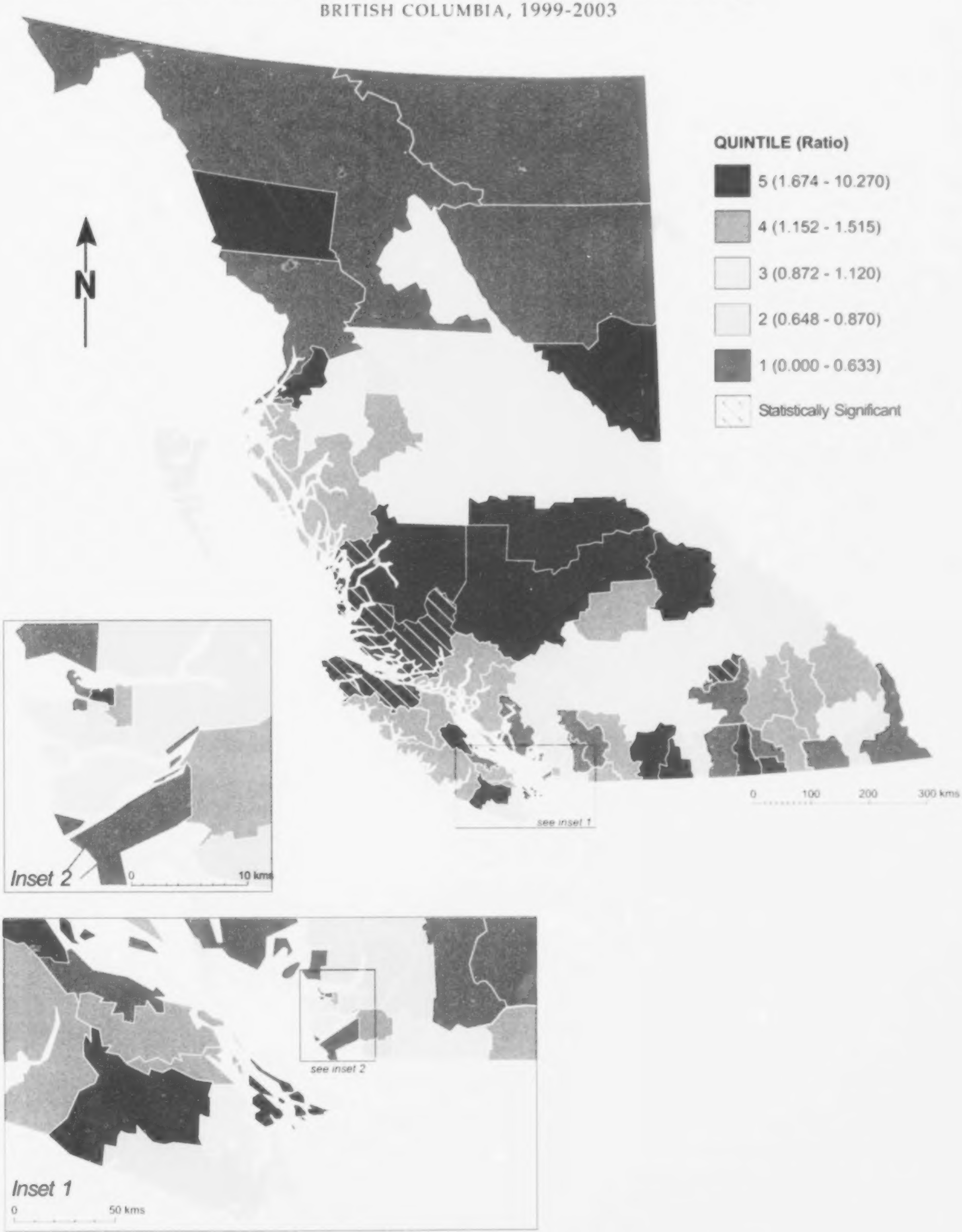
		1999–2003			2004				
		Observed			Age at Death (in Days)			Total	
Local Health Area		Deaths	Ratio (p)	Rate	0–6	0–27	28–364	Number	Rate
001	Fernie	1	0.41	1.64	-	-	-	-	-
002	Cranbrook	3	0.65	2.61	1	1	-	1	4.83
003	Kimberley	1	0.88	3.55	-	-	-	-	-
004	Windermere	2	1.52	6.10	-	-	-	-	-
005	Creston	1	0.37	1.49	-	-	-	-	-
006	Kootenay Lake	1	1.43	5.75	-	-	-	-	-
007	Nelson	6	1.38	5.56	-	-	-	-	-
009	Castlegar	-	-	-	-	-	-	-	-
010	Arrow Lakes	1	1.22	4.90	-	-	-	-	-
011	Trail	6	2.01	8.09	-	-	-	-	-
012	Grand Forks	3	2.37	9.55	-	-	-	-	-
013	Kettle Valley	-	-	-	-	-	-	-	-
014	Southern Okanagan	2	0.76	3.07	-	-	-	-	-
015	Penticton	4	0.66	2.65	1	1	1	2	7.38
016	Keremeos	2	2.39	9.62	-	-	-	-	-
017	Princeton	2	3.74	15.04	-	-	-	-	-
018	Golden	1	0.72	2.88	-	-	-	-	-
019	Revelstoke	1	0.65	2.63	-	-	-	-	-
020	Salmon Arm	5	1.11	4.47	2	2	-	2	9.48
021	Armstrong - Spallumcheen	-	-	-	-	-	-	-	-
022	Vernon	6	0.58	2.32	5	5	-	5	9.54
023	Central Okanagan	24	0.89	3.57	4	5	2	7	5.19
024	Kamloops	20	1.12	4.50	1	2	1	3	3.29
025	100 Mile House	3	1.34	5.39	-	-	-	-	-
026	North Thompson	2	2.11	8.47	1	1	-	1	22.22
027	Cariboo - Chilcotin	11	1.73	6.95	2	2	-	2	7.19
028	Quesnel	9	1.83	7.36	1	1	-	1	4.44
029	Lillooet	1	0.83	3.33	-	-	-	-	-
030	South Cariboo	1	0.87	3.51	-	-	-	-	-
031	Merritt	2	0.94	3.79	-	-	-	-	-
032	Hope	2	1.31	5.28	-	-	-	-	-
033	Chilliwack	19	1.16	4.67	3	3	2	5	5.44
034	Abbotsford	28	0.87	3.52	5	5	3	8	5.06
035	Langley	26	1.05	4.23	1	2	1	3	2.44
037	Delta	12	0.59	2.38	3	5	-	5	5.22
038	Richmond	28	0.90	3.60	4	4	1	5	3.22
040	New Westminster	6	0.47	1.87	1	1	-	1	1.61
041	Burnaby	36	0.87	3.50	6	7	2	9	4.42
042	Maple Ridge	13	0.75	3.00	-	-	-	-	-
043	Coquitlam	35	0.82	3.30	4	5	2	7	3.40
044	North Vancouver	18	0.69	2.77	1	1	1	2	1.48
045	West Vancouver-Bowen Is.	3	0.49	1.96	-	-	-	-	-
046	Sunshine Coast	2	0.52	2.08	1	1	-	1	5.41
047	Powell River	4	1.29	5.19	-	-	-	-	-
048	Howe Sound	6	0.76	3.06	1	1	1	2	4.89
049	Bella Coola Valley	3	2.97	11.95	-	1	-	1	21.28
050	Queen Charlotte	1	0.76	3.04	-	-	1	1	15.38
051	Snow Country	-	-	-	-	-	-	-	-
052	Prince Rupert	5	1.15	4.63	-	-	1	1	5.78
053	Upper Skeena	1	0.66	2.67	1	1	-	1	14.29
054	Smithers	6	1.24	4.98	-	-	2	2	9.05
055	Burns Lake	2	1.10	4.42	1	1	-	1	10.99
056	Nechako	5	1.08	4.34	1	1	-	1	4.55
057	Prince George	22	1.01	4.08	3	4	1	5	4.84
059	Peace River South	11	1.89	7.59	1	2	-	2	7.35
060	Peace River North	4	0.41	1.67	1	1	-	1	2.01
061	Greater Victoria	37	1.07	4.32	6	6	3	9	5.06
062	Sooke	9	0.80	3.20	3	3	2	5	8.47
063	Saanich	8	0.99	4.00	3	3	1	4	10.18
064	Gulf Islands	4	2.17	8.71	1	1	-	1	13.33
065	Cowichan	9	0.91	3.67	2	2	2	4	7.98
066	Lake Cowichan	2	2.16	8.70	-	-	-	-	-
067	Ladysmith	4	1.43	5.74	1	1	1	2	14.60
068	Nanaimo	19	1.18	4.73	1	1	1	2	2.43
069	Qualicum	3	0.63	2.55	1	1	-	1	4.48
070	Alberni	7	1.17	4.70	2	3	1	4	13.70
071	Courtenay	16	1.67	6.74	1	1	1	2	4.30
072	Campbell River	9	1.18	4.75	-	-	-	-	-
075	Mission	5	0.58	2.34	-	-	-	-	-
076	Agassiz - Harrison	1	0.61	2.46	-	-	-	-	-
077	Summerland	1	0.66	2.65	1	1	-	1	15.15
078	Enderby	5	4.20 *	16.89	-	-	-	-	-
080	Kitimat	3	1.29	5.18	-	-	-	-	-
081	Fort Nelson	1	0.55	2.20	-	-	-	-	-
083	Central Coast	5	10.27 *	41.32	-	-	-	-	-
084	Vancouver Island West	1	1.48	5.95	-	-	-	-	-
085	Vancouver Island North	14	4.14 *	16.65	1	1	-	1	6.62
087	Stikine	-	-	-	-	-	-	-	-
088	Terrace	6	1.08	4.33	-	-	-	-	-
092	Nisgaia	2	3.36	13.51	1	1	-	1	38.46
094	Telegraph Creek	1	5.29	21.28	-	-	-	-	-
161	Vancouver - City Centre	8	0.53	2.14	3	3	-	3	3.65
162	Vancouver - Downtown E.side	16	1.74	7.02	-	-	1	1	2.19
163	Vancouver - North East	32	1.40	5.64	4	5	1	6	5.57
164	Vancouver - Westside	20	0.94	3.78	5	5	3	8	7.76
165	Vancouver - Midtown	17	0.81	3.27	1	1	-	1	1.03
166	Vancouver - South	21	0.83	3.33	2	3	-	3	2.34
201	Surrey	103	1.18	4.74	13	14	7	21	4.74
202	South Surrey/White Rock	8	0.84	3.36	-	-	-	-	-
	PROVINCIAL TOTAL	**816**	**1.00**	**4.02**	**108**	**122**	**46**	**168**	**4.17**

Notes for table follow table highlights.

FIGURE 36

INFANT MORTALITY BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1999-2003


QUINTILE (Ratio)
5 (1.674 - 10.270)
4 (1.152 - 1.515)
3 (0.872 - 1.120)
2 (0.648 - 0.870)
1 (0.000 - 0.633)
Statistically Significant
N
0 100 200 300 kms
see inset 1
Inset 2
0 10 kms
see inset 2
Inset 1
0 50 kms

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 26/FIGURE 36

- There were 4.17 infant deaths per 1,000 live births in 2004 and 4.02 per 1,000 live births in 1999-2003.
- Only 14 Local Health Areas (LHAs) had five or more infant deaths in 2004, and 39 had no infant deaths in 2004. The highest infant mortality rate in 2004 based on five or more infant deaths was 9.54 in LHA 022 Vernon (5 infant deaths), and the lowest was 3.22 in LHA 038 Richmond (5 infant deaths).
- There were three LHAs with infant mortality ratio that were statistically significant and high in 1999-2003 (number of deaths in parentheses, and rate):

083 Central Coast	10.27	(5)	41.32
078 Enderby	4.20	(5)	16.89
085 Vancouver Island North	4.14	(14)	16.65

- There were no LHAs with 1999-2003 infant mortality ratios that were statistically significant and low.
- Five LHAs, 009 Castlegar, 013 Kettle Valley, 021 Armstrong - Spallumcheen, 051 Snow Country, and 087 Stikine, had no infant deaths in 1999-2003.

Notes to Table 26

Note: *Statistical testing indicates that observed deaths are signficantly different from the expected deaths ($p<0.05$, two tailed). +Denotes significance based on less than five deaths. Rate per 1,000 live births in the specified Local Health Area. Ratio – observed over the expected deaths. Non-residents are excluded.

TABLE 27

SELECTED CAUSES OF INFANT DEATHS AND STILLBIRTHS

BRITISH COLUMBIA, 2004

		Infant Deaths – Age Group (in Days)					Stillbirths	
Cause of Death	ICD-10 Code(s)	<7	7–27	28–364	Total	Rate [1]	Number	Rate [2]
Congenital anomalies								
- of the nervous system	Q00-Q07	2	1	2	5	1.24	3	0.74
- of the eye, ear, face & neck	Q10-Q18	-	-	-	-	-	-	-
- of the heart and circulatory system	Q20-Q28	5	2	3	10	2.48	4	0.99
- of the respiratory system	Q30-Q34	-	-	-	-	-	-	-
- of the digestive system	Q35-Q45	-	1	1	2	0.50	-	-
- of the genital organs	Q50-Q56	-	-	-	-	-	-	-
- of the urinary system	Q60-Q64	1	-	-	1	0.25	-	-
- of the musculoskeletal system	Q65-Q79	2	1	1	4	0.99	1	0.25
Other and multiple system syndromes	Q80-Q89	4	-	1	5	1.24	1	0.25
Chromosomal anomalies	Q90-Q99	7	-	1	8	1.98	11	2.71
Total deaths due to congenital anomalies	**Q00-Q99**	**21**	**5**	**9**	**35**	**8.68**	**20**	**4.93**
Perinatal conditions								
Infant affected by maternal factors	P00-P04	25	-	-	25	6.20	88	21.68
Premature/postmature and fetal growth disorders	P05-P08	25	3	2	30	7.44	3	0.74
Birth trauma	P10-P15	-	-	-	-	-	-	-
Respiratory and cardiovascular disorders	P20-P29	10	5	2	17	4.22	7	1.72
Infections specific to the perinatal period	P35-P39	-	-	-	-	-	-	-
Hemorrhage and hematological disorders	P50-P61	2	-	-	2	0.50	1	0.25
Transitory endocrine and metabolic disorders	P70-P74	-	-	-	-	-	-	-
Digestive system disorders of fetus and newborn	P75-P78	2	-	2	4	0.99	-	-
Other disorders originating in the perinatal period	P80-P94, P96	17	-	1	18	4.46	81	19.95
Fetal death of unknown cause	P95	-	-	-	-	-	56	13.79
Total deaths due to perinatal conditions	**P00-P96**	**81**	**8**	**7**	**96**	**23.81**	**236**	**58.13**
Pneumonia/influenza	J10-J18.1, J18.8-J18.9	-	-	1	1	0.25	-	-
Sudden infant death syndrome (SIDS)[3]	R95	-	-	9	9	2.23	-	-
Other causes[3]		6	1	20	27	6.70	24	5.91
TOTAL		**108**	**14**	**46**	**168**	**41.67**	**280**	**68.97**

Note: [1] Rate per 10,000 live births.
[2] Rate per 10,000 total births (live births plus stillbirths).
[3] Some of the infant deaths that were still under investigation (ICD-10 code R99) may later be identified as SIDS.
Non-residents are excluded.

HIGHLIGHTS TO TABLE 27

- There were 168 infant deaths (under one year of age) and 280 stillbirths in 2004.
- In 2004, perinatal conditions were the cause of death for more than half (57.1%) the infant deaths (96) and about eight out of ten (84.3%) of the stillbirths (236). This cause includes the stillbirths with unknown cause of death (56). The infant mortality rate for perinatal conditions was 23.81 deaths per 10,000 live births, and the stillbirth rate for this cause was 58.13 per 10,000 total births.
- Congenital anomalies were responsible for one out of five (20.8%) of infant deaths (35) and about one out of 14 (7.1%) stillbirths (20) in 2004. The infant mortality rate for congenital anomalies was 8.68 deaths per 10,000 live births, and the stillbirth rate was 4.93 per 10,000 total births.
- Of the 108 deaths in the early neonatal period (age at death under 7 days), three quarters (75.0%) were due to perinatal conditions (81 deaths). The most common of these were infant affected by maternal factors (25) and premature/post mature and fetal growth disorders (25).
- There were 46 infant deaths in the post neonatal period (28 to 364 days after birth) including nine due to Sudden Infant Death Syndrome (SIDS). It should be noted that some of the infant deaths that are still under investigation may later be identified as SIDS.

TABLE 28

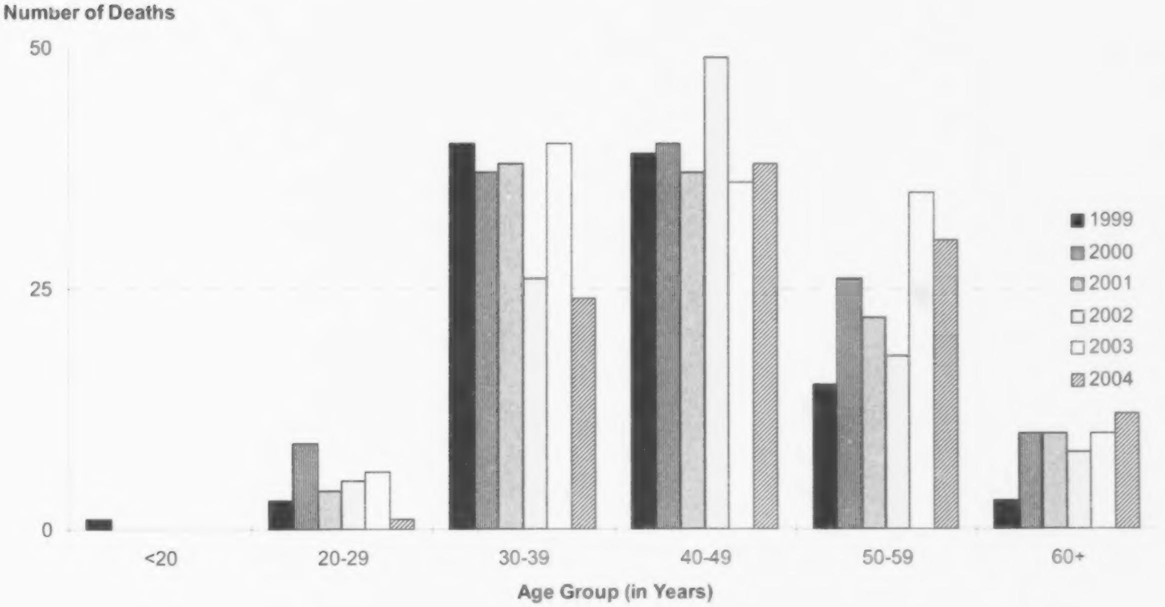
DEATHS DUE TO HIV DISEASE BY GENDER AND AGE GROUP

BRITISH COLUMBIA, 1989–2004

Year of Death	Gender	Age at Death (in Years)						Total
		<20	20–29	30–39	40–49	50–59	60+	
1989	M	-	11	60	48	10	4	133
	F	1	2	1	-	1	-	5
	T	1	13	61	48	11	4	138
	Percent	0.7	9.4	44.2	34.8	8.0	2.9	100.0
1990	M	-	17	71	73	18	6	185
	F	-	1	-	1	1	-	3
	T	-	18	71	74	19	6	188
	Percent	-	9.6	37.8	39.4	10.1	3.2	100.0
1991	M	-	14	79	54	23	6	176
	F	-	-	1	-	-	1	2
	T	-	14	80	54	23	7	178
	Percent	-	7.9	44.9	30.3	12.9	3.9	100.0
1992	M	-	28	101	89	22	5	245
	F	-	1	3	2	-	-	6
	T	-	29	104	91	22	5	251
	Percent	-	11.6	41.4	36.3	8.8	2.0	100.0
1993	M	-	28	114	95	34	15	286
	F	-	3	8	2	1	1	15
	T	-	31	122	97	35	16	301
	Percent	-	10.3	40.5	32.2	11.6	5.3	100.0
1994	M	-	19	147	101	29	12	308
	F	2	5	10	2	2	2	23
	T	2	24	157	103	31	14	331
	Percent	0.6	7.3	47.4	31.1	9.4	4.2	100.0
1995	M	-	17	116	103	31	9	276
	F	-	6	7	4	1	1	19
	T	-	23	123	107	32	10	295
	Percent	-	7.8	41.7	36.3	10.8	3.4	100.0
1996	M	3	9	106	73	34	10	235
	F	-	4	6	6	-	1	17
	T	3	13	112	79	34	11	252
	Percent	1.2	5.2	44.4	31.3	13.5	4.4	100.0
1997	M	-	11	40	32	11	6	100
	F	-	2	7	4	1	2	16
	T	-	13	47	36	12	8	116
	Percent	-	11.2	40.5	31.0	10.3	6.9	100.0
1998	M	-	6	31	44	7	4	92
	F	-	4	8	3	1	1	17
	T	-	10	39	47	8	5	109
	Percent	-	9.2	35.8	43.1	7.3	4.6	100.0
1999	M	1	3	36	32	13	3	88
	F	-	-	4	7	2	-	13
	T	1	3	40	39	15	3	101
	Percent	1.0	3.0	39.6	38.6	14.9	3.0	100.0
2000	M	-	5	31	31	23	8	98
	F	-	4	6	9	3	2	24
	T	-	9	37	40	26	10	122
	Percent	-	7.4	30.3	32.8	21.3	8.2	100.0
2001	M	-	-	30	33	19	9	91
	F	-	4	8	4	3	1	20
	T	-	4	38	37	22	10	111
	Percent	-	3.6	34.2	33.3	19.8	9.0	100.0
2002	M	-	4	20	37	15	8	84
	F	-	1	6	12	3	-	22
	T	-	5	26	49	18	8	106
	Percent	-	4.7	24.5	46.2	17.0	7.5	100.0
2003	M	-	2	34	26	32	10	104
	F	-	4	6	10	3	-	23
	T	-	6	40	36	35	10	127
	Percent	-	4.7	31.5	28.3	27.6	7.9	100.0
2004	M	-	-	17	30	29	10	86
	F	-	1	7	8	1	2	19
	T	-	1	24	38	30	12	105
	Percent	-	0.0	22.9	36.2	28.6	11.4	100.0
1989 - 2004	**M**	**4**	**174**	**1,033**	**901**	**350**	**125**	**2,587**
	F	**3**	**42**	**88**	**74**	**23**	**14**	**244**
	T	**7**	**216**	**1,121**	**975**	**373**	**139**	**2,831**
	Percent	**0.2**	**7.6**	**39.6**	**34.4**	**13.2**	**4.9**	**100.0**

Note: HIV Disease – ICD-10 codes B20-B24.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.

FIGURE 37
DEATHS DUE TO HIV DISEASE BY AGE GROUP
BRITISH COLUMBIA, 1999–2004



HIGHLIGHTS TO TABLE 28/FIGURE 37

- There were 105 deaths from HIV disease in 2004, a decrease from the 127 deaths in 2003. Since 1989, there have been 2,831 HIV disease deaths in the province.
- The number of deaths from HIV disease peaked at 331 in 1994. The largest decrease occurred when the number of HIV disease deaths dropped from 252 in 1996 to 116 in 1997.
- The majority (91.4%) of all HIV disease deaths were males (2,587 deaths in 1989-2004); only 8.6% (244 deaths) were female. The largest number of female deaths due to HIV disease (24) occurred in 2000.
- For the 1989-2004 period, out of 100 deaths from HIV disease, approximately:
  - 8 were in the 20-29 year age group (216)
  - 40 were in the 30-39 year age group (1,121)
  - 34 were in the 40-49 year age group (975)
  - 13 were in the 50-59 year age group (373)
  - 5 were at least 60 years of age (139).
- There were only 7 deaths from HIV disease in 1989-2004 to children and teens (age less than 20 years old).
- In the 20-29 year old age group, the smallest percentage of HIV disease deaths in the 16 year period from 1989-2004 occurred in 2004. The 30-39 year old age group also had the smallest percentage of HIV disease deaths in 2004. For age groups 50-59 and 60+, the largest percentage of HIV disease deaths in the 16 year period occurred in 2004.

TABLE 29

DEATHS DUE TO HIV DISEASE BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 1989–2004

	Health Service Delivery Area	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	1989–2004		
																		Number	Percent	Rate
11	East Kootenay	-	-	1	-	-	-	1	-	2	-	-	-	1	-	1	-	6	0.2	0.49
12	Kootenay Boundary	-	2	-	-	1	1	3	2	-	1	1	-	-	2	-	1	14	0.5	1.12
13	Okanagan	1	1	1	9	9	6	9	7	2	4	2	3	3	3	6	2	68	2.4	1.48
14	Thompson Cariboo Shuswap	-	3	3	3	4	3	-	3	2	2	2	2	6	2	4	6	45	1.6	1.37
21	Fraser East	4	2	1	4	6	7	6	7	1	5	3	3	2	4	1	5	61	2.2	1.70
22	Fraser North	16	16	14	15	22	25	21	15	8	6	6	11	8	10	10	8	211	7.5	2.72
23	Fraser South	8	6	10	14	12	18	17	23	6	4	11	7	11	10	8	5	170	6.0	1.98
31	Richmond	-	6	6	5	1	6	4	4	5	2	2	1	1	-	1	2	46	1.6	1.88
32	Vancouver	86	124	109	149	197	203	182	145	65	64	52	73	60	62	74	50	1,695	59.9	19.60
33	North Shore/ Coast Garibaldi	7	11	9	14	16	15	12	11	7	5	5	3	3	2	6	3	129	4.6	3.21
41	South Vancouver Island	12	12	16	20	21	28	17	21	10	10	13	7	9	3	8	9	216	7.6	4.12
42	Central Vancouver Island	4	1	4	16	6	13	14	6	4	3	4	8	4	4	4	5	100	3.5	2.80
43	North Vancouver Island	-	2	1	1	3	3	2	1	1	-	-	4	2	-	1	2	23	0.8	1.31
51	Northwest	-	1	-	1	1	-	2	1	-	-	-	-	-	-	-	1	7	0.2	0.51
52	Northern Interior	-	1	1	-	2	2	4	5	2	2	-	-	1	3	3	5	31	1.1	1.30
53	Northeast	-	-	2	-	-	1	1	-	-	1	-	-	-	1	-	1	7	0.2	0.70
	N.S.	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2	0.1	
	PROVINCIAL TOTAL	**138**	**188**	**178**	**251**	**301**	**331**	**295**	**252**	**116**	**109**	**101**	**122**	**111**	**106**	**127**	**105**	**2,831**	**100.0**	**4.66**

Note: Health Service Delivery Area based on usual residence.
Rate per 100,000 population in specified area.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded. N.S. - Not stated.

HIGHLIGHTS TO TABLE 29

- Over the 16-year period 1989-2004, 59.9% of the 2,831 deaths from HIV disease were to residents of the Vancouver Health Service Delivery Area (1,695 deaths). In 2004, 50 of the 105 HIV disease deaths (47.6%) were residents of Vancouver. Treatment facilities and other supports centered in the Vancouver HSDA account for some of the concentration of cases in that area.
- The 1989-2004 provincial rate for deaths due to HIV disease was 4.66 per 100,000 population. HSDA 32 Vancouver was the only area with a rate (19.60) that exceeded the provincial rate. The five Health Service Delivery Areas with the next highest rates for deaths due to HIV disease (number of deaths in parentheses) were:

41	South Vancouver Island	(216)	4.12
33	North Shore/Coast Garibaldi	(129)	3.21
42	Central Vancouver Island	(100)	2.80
22	Fraser North	(211)	2.72
23	Fraser South	(170)	1.98

TABLE 30

EXTERNAL CAUSES OF DEATH BY GENDER

BRITISH COLUMBIA, 2004

		Male		Female		Total	
Cause of Death	ICD-10 Code	Number	ASMR	Number	ASMR	Number	ASMR
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850	262	1.24	108	0.49	370	0.86
Other transport accidents	V01, V05-V06, V10-V11, V15-V18, V198-V199, V800-V802, V806-V809, V812-V819, V822-V829, V891, V893, V91, V93-V99, Y859	11	0.05	3	0.01	14	0.03
Accidental falls	W00-W19	154	0.66	167	0.43	321	0.54
Accident caused by machinery	W24, W28-W31	4	0.02	-	-	4	0.01
Accidental firearm discharge	W32-W34	1	0.01	-	-	1	0.00
Exposure to smoke, fire and flame	X00-X09	18	0.08	7	0.03	25	0.05
Accidental drowning (including water)	V90, V92, W65-W74	46	0.22	5	0.02	51	0.12
Accidental poisoning	X40-X49	162	0.72	50	0.24	212	0.48
All other accidents	W20-W23, W25-W27, W35-W64, W75-W99, X10-X39, X50-X59, Y35-Y36, Y40-Y84, Y88	71	0.31	40	0.14	111	0.22
Suicide	X60-X84, Y870	334	1.50	102	0.43	436	0.96
Homicide	X85-Y09, Y871	33	0.17	7	0.03	40	0.10
External events of undetermined intent	Y10-Y34, Y872	9	0.04	3	0.01	12	0.03
Sequelae of other external causes	Y86, Y89	4	0.02	3	0.01	7	0.01
TOTAL		**1,109**	**5.00**	**495**	**1.84**	**1,604**	**3.40**

Note: ASMR - Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
Non-residents are excluded.

HIGHLIGHTS TO TABLE 30

- External causes of death include all deaths from accidents, suicide, homicide, and accidental deaths of undetermined intent. In 2004, there were 1,604 deaths from external causes among B.C. residents. Some deaths that were still under investigation (ICD-10 code R99) may be due to external causes of death.
- Out of every 1,000 of all deaths in 2004, approximately :
  - 946 deaths were from natural causes (please refer to Table 21)
  - 54 deaths were from external causes, including
    ~ 15 suicides (436)
    ~ 12 motor vehicle accidents (370)
    ~ 11 were accidental falls (321)
    ~ 7 were accidental poisoning (212)
    ~ 2 were accidental drowning (51)
    ~ 1 was a victim of homicide (40)
    ~ 1 was from exposure to smoke, fire, and flames (25)
- The Age Standardized Mortality Rate (ASMR) for deaths from external causes was 3.40 deaths per 10,000 standard population in 2004. The ASMR for males was 5.00; the ASMR for females was 1.84 in 2004. More than two thirds (69.1%) of the deaths from external causes were male.
- The leading causes of death from external causes are shown below by gender, ranked by number of deaths in 2004 (with ASMRs per 10,000 male or female standard population in parentheses):

Males			*Females*		
Suicide	334	(1.50)	Accidental falls	167	(0.43)
Motor vehicle accidents	262	(1.24)	Motor vehicle accidents	108	(0.49)
Accidental poisoning	162	(0.72)	Suicide	102	(0.43)
Accidental falls	154	(0.66)	Accidental poisoning	50	(0.24)

Table 31

EXTERNAL CAUSES OF DEATH BY LOCAL HEALTH AREA,

BRITISH COLUMBIA, 2004

Local Health Area		Motor Vehicle Accidents	Other Transport Accidents	Accidental		Fire/ Flames	Accidental Drowing	Suicide	Homicide	Other	Total	
				Poisoning	Falls						Deaths	ASMR
001	Fernie	3	-	-	3	-	-	1	-	2	9	5.62
002	Cranbrook	4	-	2	-	-	-	-	-	-	6	1.87
003	Kimberley	2	-	-	1	-	-	-	-	-	3	3.18
004	Windermere	2	-	-	-	-	-	1	-	-	3	3.05
005	Creston	3	-	1	2	-	-	1	1	-	8	4.82
006	Kootenay Lake	-	-	-	-	-	-	-	-	-	-	-
007	Nelson	8	-	1	2	-	-	-	-	-	11	3.54
009	Castlegar	-	-	1	1	-	-	1	-	1	4	3.94
010	Arrow Lakes	1	-	2	-	-	1	1	-	-	5	11.07
011	Trail	1	-	-	6	1	-	3	-	3	14	5.14
012	Grand Forks	2	-	-	2	1	-	2	-	-	7	5.05
013	Kettle Valley	-	-	-	-	-	-	-	-	-	-	-
014	Southern Okanagan	1	-	-	3	-	-	1	-	2	7	1.98
015	Penticton	8	-	4	2	-	1	5	-	3	23	5.50
016	Keremeos	4	-	-	-	-	-	2	-	1	7	13.57
017	Princeton	1	-	-	-	-	-	-	-	-	1	2.27
018	Golden	-	-	-	1	-	-	1	-	-	2	3.05
019	Revelstoke	1	-	1	-	-	-	2	-	-	4	3.61
020	Salmon Arm	12	-	2	5	-	-	6	-	-	25	7.79
021	Armstrong - Spallumcheen	1	-	-	-	-	-	2	-	-	3	2.11
022	Vernon	10	-	3	6	-	1	10	1	4	35	5.06
023	Central Okanagan	14	-	8	17	1	2	14	2	5	63	3.45
024	Kamloops	9	-	6	10	-	1	19	1	-	46	4.32
025	100 Mile House	4	-	2	1	-	-	3	-	-	10	5.34
026	North Thompson	2	-	-	-	1	1	-	-	-	4	7.30
027	Cariboo - Chilcotin	6	-	2	2	-	-	1	1	-	12	4.10
028	Quesnel	5	-	1	2	-	-	2	-	2	12	4.62
029	Lillooet	1	-	-	1	-	-	-	-	2	4	7.74
030	South Cariboo	7	2	-	-	-	-	1	-	1	11	10.08
031	Merritt	2	-	-	1	1	-	3	-	3	10	7.94
032	Hope	2	1	-	2	1	1	3	-	1	11	9.11
033	Chilliwack	5	-	1	4	-	2	5	1	1	19	2.45
034	Abbotsford	18	-	8	7	1	-	8	2	3	47	3.44
035	Langley	6	-	3	12	1	1	17	1	4	45	3.26
037	Delta	5	-	5	9	-	-	7	1	1	28	2.67
038	Richmond	5	1	2	6	1	1	7	-	4	27	1.32
040	New Westminster	4	1	2	5	-	-	11	1	2	26	3.84
041	Burnaby	9	-	6	16	-	2	16	1	4	54	2.32
042	Maple Ridge	6	-	5	3	-	2	7	-	3	26	3.29
043	Coquitlam	13	1	11	9	2	2	11	2	6	57	2.90
044	North Vancouver	5	2	3	7	-	1	13	3	1	35	2.39
045	West Vancouver-Bowen Is.	1	-	-	8	-	1	5	1	2	18	2.77
046	Sunshine Coast	2	-	1	2	-	1	5	-	2	13	4.36
047	Powell River	5	1	-	5	-	-	6	-	-	17	6.19
048	Howe Sound	10	-	1	1	-	-	-	-	2	14	4.68
049	Bella Coola Valley	-	-	-	-	-	-	-	-	-	-	-
050	Queen Charlotte	1	-	-	-	-	-	2	-	-	3	5.16
051	Snow Country	-	-	-	-	-	-	-	-	-	-	-
052	Prince Rupert	1	-	1	-	-	-	3	-	-	5	3.30
053	Upper Skeena	1	-	-	1	-	-	1	-	-	3	5.72
054	Smithers	3	-	-	-	-	-	5	1	-	9	5.25
055	Burns Lake	3	-	-	1	-	-	1	-	1	6	7.70
056	Nechako	6	-	-	1	-	-	-	-	1	8	5.59
057	Prince George	18	1	8	10	1	1	13	2	4	58	5.95
059	Peace River South	4	-	1	1	-	1	2	-	-	9	3.53
060	Peace River North	4	-	2	1	-	1	2	1	-	11	3.42
061	Greater Victoria	7	-	16	32	1	5	24	1	9	95	3.22
062	Sooke	8	-	-	3	-	-	5	-	6	22	3.64
063	Saanich	7	-	-	6	1	1	5	-	2	22	2.61
064	Gulf Islands	3	1	1	5	-	-	3	-	1	14	8.02
065	Cowichan	8	1	2	4	1	2	6	-	3	27	4.07
066	Lake Cowichan	2	-	-	-	-	-	1	-	-	3	4.32
067	Ladysmith	-	-	-	3	-	1	3	1	1	9	5.55
068	Nanaimo	13	-	4	11	4	1	10	1	1	45	4.08
069	Qualicum	2	-	-	6	-	2	6	-	3	19	3.85
070	Alberni	3	1	2	2	-	2	9	-	2	21	6.76
071	Courtenay	2	-	2	10	1	1	8	-	3	27	3.69
072	Campbell River	5	-	-	3	-	1	4	-	2	15	3.35
075	Mission	3	-	3	2	-	1	4	1	1	15	3.70
076	Agassiz - Harrison	2	-	-	-	-	-	-	-	-	2	1.93
077	Summerland	-	-	-	3	-	-	1	-	-	4	1.97
078	Enderby	-	-	-	-	-	1	1	-	-	2	3.85
080	Kitimat	1	-	-	-	1	-	1	-	-	3	3.09
081	Fort Nelson	1	-	1	-	-	-	1	-	-	3	4.03
083	Central Coast	-	-	-	-	-	-	-	-	-	-	-
084	Vancouver Island West	-	-	-	-	-	-	-	-	-	-	-
085	Vancouver Island North	2	-	-	3	-	-	2	-	1	8	6.08
087	Stikine	-	-	-	-	-	-	-	-	-	-	-
088	Terrace	4	-	-	-	1	1	2	-	1	9	4.52
092	Nisgaia	-	-	-	-	-	1	-	-	-	1	4.56
094	Telegraph Creek	-	-	-	-	-	-	1	-	-	1	11.95
161	Vancouver - City Centre	2	-	12	3	-	1	17	-	2	37	2.92
162	Vancouver - Downtown E.side	4	-	28	4	-	-	9	-	2	47	7.38
163	Vancouver - North East	1	-	8	6	-	-	11	1	3	30	2.60
164	Vancouver - Westside	1	-	4	11	-	1	15	-	3	35	2.17
165	Vancouver - Midtown	2	-	3	2	1	-	9	-	2	19	2.13
166	Vancouver - South	10	-	5	4	-	1	7	3	6	36	2.56
201	Surrey	23	1	22	9	1	4	30	5	8	103	3.12
202	South Surrey/White Rock	3	-	3	10	-	-	8	3	2	29	3.29
	PROVINCIAL TOTAL	**370**	**14**	**212**	**321**	**25**	**51**	**436**	**40**	**135**	**1,604**	**3.40**
	PERCENT	**23.1**	**0.9**	**13.2**	**20.0**	**1.6**	**3.2**	**27.2**	**2.5**	**8.4**	**100.0**	

Notes for table follow table highlights.

HIGHLIGHTS TO TABLE 31

External causes of deaths are shown in this table based on the Local Health Area (LHA) of usual residence of the decedent, and not the location where the death occurred.

- The Age Standardized Mortality Rate (ASMR) for external causes of death was 3.40 deaths per 10,000 standard population. There were 41 Local Health Areas (LHAs) with five or more deaths from external causes and ASMRs greater than the provincial rate and 22 with five or more deaths and ASMRs below the provincial rate. Seven LHAs, 006 Kootenay Lake, 013 Kettle Valley, 049 Bella Coola Valley, 051 Snow Country, 083 Central Coast, 084 Vancouver Island West, and 087 Stikine, had no deaths from external causes in 2004.
- During 2004, suicides (436 deaths) and motor vehicle accidents (370) each accounted for approximately one in four deaths due to external causes (27.2% and 23.1% respectively). Accidental falls (321 accounted for a fifth (20.0%) and accidental poisoning (212) accounted for roughly one eighth (13.2%) of the external causes of death.
- Deaths from motor vehicle accidents in 2004 occurred most often to residents of LHA 201 Surrey (23 deaths).
- Accidental poisoning deaths in 2004 occurred most often to residents of LHA 162 Vancouver Downtown East Side (28) and 201 Surrey (22).
- Deaths from accidental falls in 2004 occurred most often to residents of LHA 061 Greater Victoria(32 deaths).
- Deaths from suicide in 2004 occurred most often to residents of LHA 201 Surrey (30 deaths) and 061 Greater Victoria (24).

Notes to Table 31

Note: Based on usual residence. ASMR – Age standardized mortality rate per 10,000 standard population (Canada 1991 Census). PERCENT – Provincial total for each cause as a percent of the Provincial total for all deaths from external causes. Other is comprised of accident caused by machinery, accidental firearm discharge, all other accidents, external event of undetermined intent, and sequelae of other external causes. Non-residents excluded.

TABLE 32

SUICIDE DEATHS BY MONTH AND GENDER

BRITISH COLUMBIA, 2004

Month	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
January	26	7.8	5	4.9	31	7.1
February	29	8.7	13	12.7	42	9.6
March	30	9.0	10	9.8	40	9.2
April	17	5.1	10	9.8	27	6.2
May	29	8.7	5	4.9	34	7.8
June	33	9.9	10	9.8	43	9.9
July	41	12.3	12	11.8	53	12.2
August	25	7.5	12	11.8	37	8.5
September	26	7.8	4	3.9	30	6.9
October	27	8.1	9	8.8	36	8.3
November	26	7.8	4	3.9	30	6.9
December	25	7.5	8	7.8	33	7.6
TOTAL	**334**	**100.0**	**102**	**100.0**	**436**	**100.0**

Note: Suicide Deaths – ICD-10 codes X60–X84, Y87.0.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.

HIGHLIGHTS TO TABLE 32

- Of the 436 suicide deaths in the province in 2004, three quarters (76.6% or 334 deaths) were male.
- The distribution of suicide deaths by month varies from year to year. In 2004 July had the largest number of deaths from suicide (53) and April had the least (27).
- Male deaths from suicide were also highest in July (41 deaths) and lowest in April (17). Female suicide deaths were highest in February (13 deaths) and lowest in September and November (4 each).

Vital Statistics Information Box

PLACE OF DEATH FOR DEATHS FROM NATURAL CAUSES

BRITISH COLUMBIA, 2000-2004

Deaths from natural causes in 2000 to 2004 were examined to determine the place of death. The majority of these deaths to British Columbia residents occurred in hospital (59.3% over the five year period). About one in six deaths from natural causes (16.1%) occurred at home and almost a quarter (23.3%) occurred in extended care facilities.

	2000		2001		2002		2003		2004		2000-2004	
Place of Death	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**
Home	3.962	15.6	4,233	16.0	4,275	16.0	4,450	16.3	4,655	16.6	21,639	16.1
Extended Care	5,578	21.9	5,189	19.7	5.214	19.5	7,339	26.9	7,908	28.2	31,316	23.3
Hospital	15,639	61.5	16,711	63.4	16.904	63.3	15.115	55.4	15,036	53.6	79,649	59.3
Other and Unknown	256	1.0	244	0.9	329	1.2	372	1.4	449	1.6	1,655	1.2
Total Deaths from Natural Causes	**25,435**	**100.0**	**26.377**	**100.0**	**26,722**	**100.0**	**27,276**	**100.0**	**28,048**	**100.0**	**133,858**	**100.0**

PERCENT OF DEATHS FROM NATURAL CAUSES BY PLACE OF DEATH

BRITISH COLUMBIA, 2000-2004

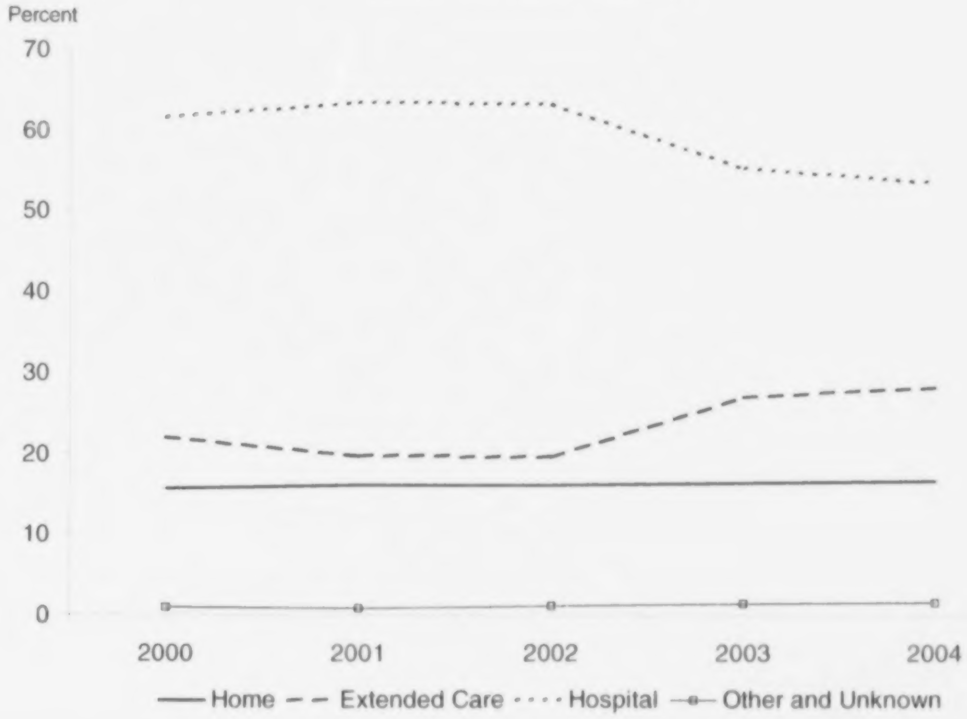


Table 33

STANDARDIZED MORTALITY RATIO - ALL CAUSES OF DEATH BY LOCAL HEALTH AREA,

BRITISH COLUMBIA, 1999–2003 AND 2004

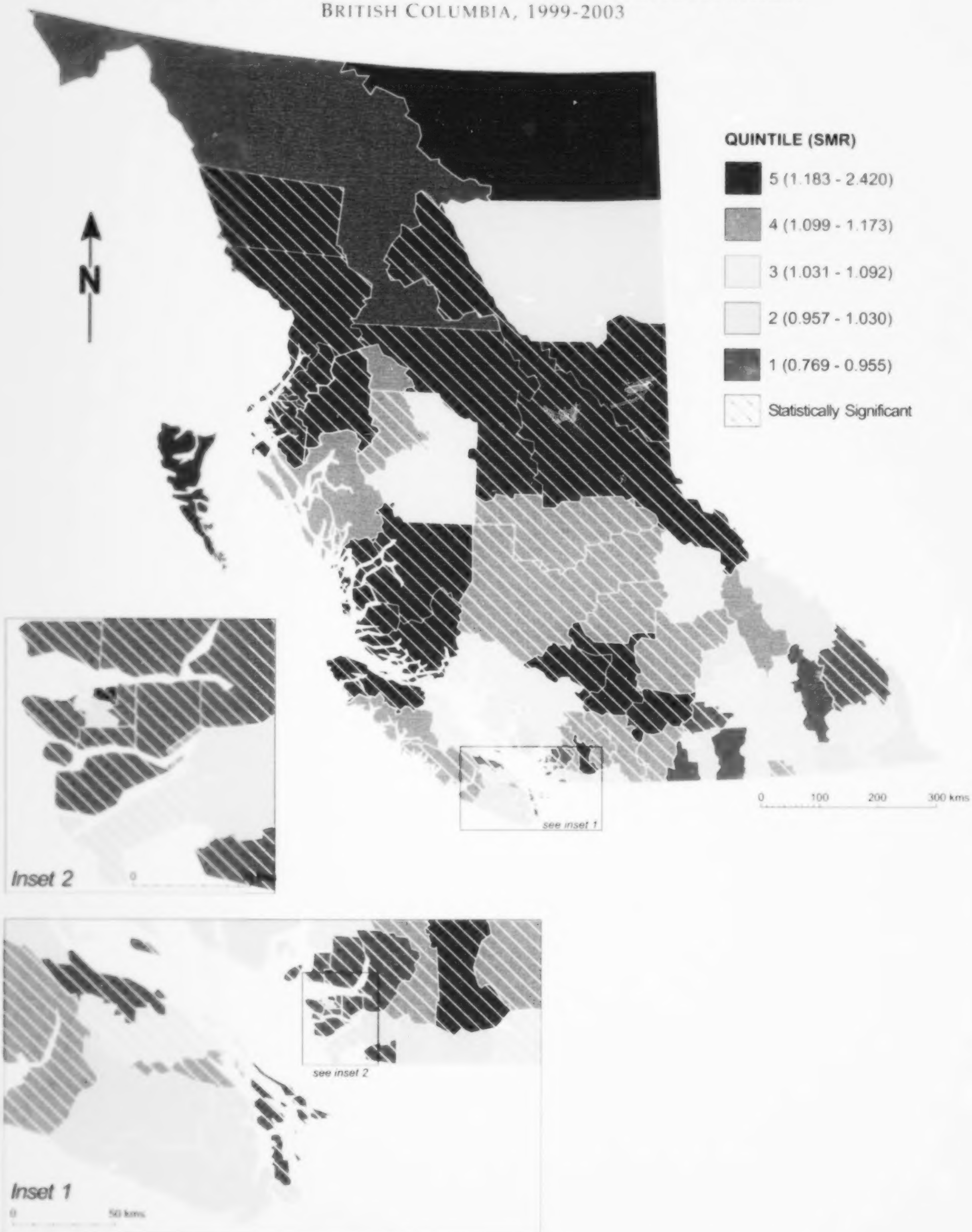
		1999–2003			2004				95% Confidence Interval		
Local Health Area		Observed Deaths	SMR	(p)	Observed Deaths	Expected Deaths	SMR	(p)	Lower		Upper
001	Fernie	377	0.97		78	81.81	0.95		0.75	-	1.19
002	Cranbrook	866	1.07	*	214	174.81	1.22	*	1.07	-	1.40
003	Kimberley	416	1.03		68	81.69	0.83		0.65	-	1.06
004	Windermere	231	0.86	*	46	57.49	0.80		0.59	-	1.07
005	Creston	654	0.96		122	134.45	0.91		0.75	-	1.08
006	Kootenay Lake	145	0.94		19	33.37	0.57	*	0.34	-	0.89
007	Nelson	919	1.04		200	184.00	1.09		0.94	-	1.25
009	Castlegar	547	1.09	*	115	104.17	1.10		0.91	-	1.33
010	Arrow Lakes	243	1.07		43	43.93	0.98		0.71	-	1.32
011	Trail	1,037	1.11	*	226	185.31	1.22	*	1.07	-	1.39
012	Grand Forks	451	1.04		99	90.44	1.09		0.89	-	1.33
013	Kettle Valley	124	0.88		17	30.08	0.57	*	0.33	-	0.91
014	Southern Okanagan	1,173	0.97		254	249.93	1.02		0.90	-	1.15
015	Penticton	2,322	0.97		509	491.34	1.04		0.95	-	1.13
016	Keremeos	263	0.92		65	59.18	1.10		0.85	-	1.40
017	Princeton	254	1.15	*	47	45.68	1.03		0.76	-	1.37
018	Golden	172	0.96		31	37.36	0.83		0.56	-	1.18
019	Revelstoke	272	1.12		64	51.32	1.25		0.96	-	1.59
020	Salmon Arm	1,423	0.99		327	300.80	1.09		0.97	-	1.21
021	Armstrong - Spallumcheen	366	0.98		65	79.39	0.82		0.63	-	1.04
022	Vernon	2,662	1.05	*	597	547.83	1.09	*	1.00	-	1.18
023	Central Okanagan	6,358	0.94	*	1,438	1,433.71	1.00		0.95	-	1.06
024	Kamloops	3,700	1.15	*	807	693.23	1.16	*	1.09	-	1.25
025	100 Mile House	551	1.16	*	115	102.80	1.12		0.92	-	1.34
026	North Thompson	129	1.08		35	26.82	1.31		0.91	-	1.82
027	Cariboo - Chilcotin	751	1.17	*	169	140.88	1.20	*	1.03	-	1.39
028	Quesnel	782	1.17	*	152	143.22	1.06		0.90	-	1.24
029	Lillooet	176	1.32	*	42	27.01	1.55	*	1.12	-	2.10
030	South Cariboo	325	1.22	*	76	54.94	1.38	*	1.09	-	1.73
031	Merritt	474	1.38	*	110	72.62	1.51	*	1.24	-	1.83
032	Hope	389	1.13	*	98	72.04	1.36	*	1.10	-	1.66
033	Chilliwack	2,943	1.06	*	639	587.38	1.09	*	1.01	-	1.18
034	Abbotsford	4,175	0.98		933	888.89	1.05		0.98	-	1.12
035	Langley	3,647	1.00		828	818.04	1.01		0.94	-	1.08
037	Delta	2,766	0.96	*	637	625.16	1.02		0.94	-	1.10
038	Richmond	4,108	0.77	*	879	1,121.83	0.78	*	0.73	-	0.84
040	New Westminster	2,479	1.12	*	512	443.41	1.15	*	1.06	-	1.26
041	Burnaby	6,707	0.95	*	1,333	1,427.55	0.93	*	0.88	-	0.99
042	Maple Ridge	2,499	1.15	*	493	475.05	1.04		0.95	-	1.13
043	Coquitlam	4,437	0.95	*	928	1,009.71	0.92	*	0.86	-	0.98
044	North Vancouver	4,006	0.94	*	783	902.86	0.87	*	0.81	-	0.93
045	West Vancouver-Bowen Is.	2,229	0.81	*	483	557.04	0.87	*	0.79	-	0.95
046	Sunshine Coast	1,159	0.99		277	248.36	1.12		0.99	-	1.25
047	Powell River	866	1.03		189	174.39	1.08		0.93	-	1.25
048	Howe Sound	539	1.05		102	114.01	0.89		0.73	-	1.09
049	Bella Coola Valley	103	1.40	*	12	15.06	0.80		0.41	-	1.39
050	Queen Charlotte	129	1.18		27	23.57	1.15		0.75	-	1.67
051	Snow Country	25	1.65	*	4	2.75	1.46		0.39	-	3.73
052	Prince Rupert	466	1.32	*	92	71.27	1.29	*	1.04	-	1.58
053	Upper Skeena	127	1.16		22	22.12	0.99		0.62	-	1.51
054	Smithers	401	1.16	*	75	74.62	1.01		0.79	-	1.26
055	Burns Lake	214	1.07		52	41.08	1.27		0.95	-	1.66
056	Nechako	472	1.27	*	88	80.14	1.10		0.88	-	1.35
057	Prince George	2,419	1.24	*	549	424.19	1.29	*	1.19	-	1.41
059	Peace River South	795	1.25	*	156	133.69	1.17		0.99	-	1.37
060	Peace River North	570	1.02		134	120.10	1.12		0.93	-	1.32
061	Greater Victoria	11,095	1.03	*	2,141	2,139.19	1.00		0.96	-	1.04
062	Sooke	1,484	1.02		317	313.81	1.01		0.90	-	1.13
063	Saanich	2,896	0.85	*	616	716.29	0.86	*	0.79	-	0.93
064	Gulf Islands	653	0.82	*	144	164.22	0.88		0.74	-	1.03
065	Cowichan	2,043	1.01		474	426.61	1.11	*	1.01	-	1.22
066	Lake Cowichan	209	0.97		47	43.33	1.08		0.80	-	1.44
067	Ladysmith	850	1.11	*	190	163.17	1.16	*	1.00	-	1.34
068	Nanaimo	3,880	1.07	*	850	777.61	1.09	*	1.02	-	1.17
069	Qualicum	2,151	0.95	*	439	482.85	0.91	*	0.83	-	1.00
070	Alberni	1,266	1.17	*	305	226.14	1.35	*	1.20	-	1.51
071	Courtenay	2,217	1.03		501	465.49	1.08		0.98	-	1.17
072	Campbell River	1,219	1.09	*	247	243.69	1.01		0.89	-	1.15
075	Mission	1,239	1.19	*	222	220.59	1.01		0.88	-	1.15
076	Agassiz - Harrison	310	1.15	*	54	56.30	0.96		0.72	-	1.25
077	Summerland	747	1.04		146	146.92	0.99		0.84	-	1.17
078	Enderby	321	1.09		81	64.68	1.25		0.99	-	1.56
080	Kitimat	245	1.10		52	47.94	1.08		0.81	-	1.42
081	Fort Nelson	79	1.21		10	15.92	0.63		0.30	-	1.16
083	Central Coast	74	2.42	*	9	5.75	1.56		0.71	-	2.97
084	Vancouver Island West	45	1.17		10	7.70	1.30		0.62	-	2.39
085	Vancouver Island North	322	1.34	*	58	51.60	1.12		0.85	-	1.45
087	Stikine	22	0.84		5	5.43	0.92		0.30	-	2.15
088	Terrace	569	1.28	*	100	95.34	1.05		0.85	-	1.28
092	Nisgaia	56	1.57	*	9	7.82	1.15		0.52	-	2.18
094	Telegraph Creek	27	2.08	*	2	2.59	0.77		0.09	-	2.79
161	Vancouver - City Centre	3,260	1.09	*	658	598.77	1.10	*	1.02	-	1.19
162	Vancouver - Downtown E.side	2,737	1.45	*	519	369.14	1.41	*	1.29	-	1.53
163	Vancouver - North East	2,922	0.93	*	577	650.96	0.89	*	0.82	-	0.96
164	Vancouver - Westside	3,857	0.83	*	705	912.86	0.77	*	0.72	-	0.83
165	Vancouver - Midtown	2,508	0.98		492	515.81	0.95		0.87	-	1.04
166	Vancouver - South	4,046	0.87	*	799	942.25	0.85	*	0.79	-	0.91
201	Surrey	7,070	1.00		1,527	1,600.78	0.95		0.91	-	1.00
202	South Surrey/White Rock	3,989	0.93	*	862	935.53	0.92	*	0.86	-	0.99
	PROVINCIAL TOTAL	**141,257**	**1.00**		**29,652**	**29,651.00**	**1.00**		**0.99**	**-**	**1.01**

Note: SMR - Standardized Mortality Ratio. *Statistical testing indicates that observed deaths are significantly different from the expected deaths (p<0.05, two tailed). Non-residents are excluded. Observed deaths include unknown gender.

FIGURE 38

ALL CAUSES OF DEATH BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1999-2003


N
QUINTILE (SMR)
5 (1.183 - 2.420)
4 (1.099 - 1.173)
3 (1.031 - 1.092)
2 (0.957 - 1.030)
1 (0.769 - 0.955)
Statistically Significant
0 100 200 300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0 50 kms

Note: SMR - Standardized Mortality Ratio. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 33/FIGURE 38

- There were 29,652 deaths in the province in 2004, and a total of 141,257 deaths in the province to B.C. residents in 1999-2003.
- There were 19 Local Health Areas (LHAs) with Standardized Mortality Ratios (SMR) for all causes of death which were statistically significant and high in 2004. The five highest (number of deaths in parentheses) were:

029 Lillooet	(42)	1.55
031 Merritt	(110)	1.51
162 Vancouver - Downtown Eastside	(519)	1.41
030 South Cariboo	(76)	1.38
032 Hope	(98)	1.36

- All of the above LHAs also had statistically significant high ratios for 1999-2003.
- There were 13 LHAs with SMR values for all causes of death that were statistically significant and low in 2004. The five lowest (number of deaths in parentheses) were:

006 Kootenay Lake	(19)	0.57
013 Kettle Valley	(17)	0.57
164 Vancouver - Westside	(705)	0.77
038 Richmond	(879)	0.78
166 Vancouver - South	(799)	0.85

- LHA 164 Vancouver - Westside, 038 Richmond, and 166 Vancouver - South also had statistically significant low ratios for 1999-2003.
- There were 37 LHAs with Standardized Mortality Ratios (SMR) for all causes of death which were statistically significant and high in 1999-2003. The five highest (number of deaths in parentheses) were:

083 Central Coast	(74)	2.42
094 Telegraph Creek	(27)	2.08
051 Snow Country	(25)	1.65
092 Nisga'a	(55)	1.57
162 Vancouver - Downtown Eastside	(2,737)	1.45

- There were 15 LHAs with SMR values for all causes that were statistically significant and low in 1999-2003. The five lowest (number of deaths in parentheses) were:

038 Richmond	(4,108)	0.77
045 West Vancouver-Bowen Island	(2,229)	0.81
064 Gulf Islands	(653)	0.82
164 Vancouver - Westside	(3,857)	0.83
063 Saanich	(2,896)	0.85

TABLE 34

POTENTIAL YEARS OF LIFE LOST AND AGE STANDARDIZED MORTALITY RATES BY SELECTED CAUSES OF DEATH

BRITISH COLUMBIA, 2004

		PYLL (Age Under 75 Years)					Mortality (All Ages)		
Cause of Death	ICD-10 Code(s)	No. of Deaths	Total PYLL	Percent of PYLL	Average PYLL	PYLLSR	No. of Deaths	Percent of Deaths	ASMR
Certain infectious and parasitic diseases	A00-B99	324	6,813	3.6	21.0	1.53	568	1.9	1.05
- HIV disease	B20-B24	104	2,835	1.5	27.3	0.65	105	0.4	0.22
Malignant neoplasms	C00-C97	4,469	56,427	30.1	12.6	11.92	8,401	28.3	15.77
- Malignant neoplasm of trachea and lung	C33-C34	1,243	13,728	7.3	11.0	2.80	2,189	7.4	4.17
- Malignant neoplasm of female breast	C500-C509	355	5,658	3.0	15.9	2.33	603	2.0	2.09
- Malignant neoplasm of colon and rectum	C18-C21	371	4,738	2.5	12.8	0.95	799	2.7	1.45
Endocrine nutritional and metabolic diseases	E00-E89	469	5,982	3.2	12.8	1.40	1,249	4.2	2.26
- Diabetes mellitus	E10-E14	371	3,992	2.1	10.8	0.89	1,001	3.4	1.81
Diseases of the circulatory system	I00-I99	2,357	27,349	14.6	11.6	5.82	9,819	33.1	16.67
- Ischemic heart diseases	I20-I25	1,154	13,260	7.1	11.5	2.76	4,419	14.9	7.57
- Cerebrovascular diseases	I60-I69	415	4,547	2.4	11.0	0.98	2,280	7.7	3.79
Diseases of the respiratory system	J00-J98	662	6,397	3.4	9.7	1.40	3,025	10.2	5.13
- Pneumonia/Influenza (excluding hypostatic)	J10-J181, J188, J189	173	2,105	1.1	12.2	0.47	1,242	4.2	2.01
- Chronic Pulmonary Disease	J40-J44	340	2,560	1.4	7.5	0.55	1,227	4.1	2.16
Diseases of the digestive system	K00-K92	478	7,452	4.0	15.6	1.59	1,129	3.8	2.02
- Chronic liver disease/cirrhosis	K70, K73-74, K760-K761	225	3,855	2.1	17.1	0.81	278	0.9	0.55
Congenital malformations and chromosome abnormalities	Q00-Q99	74	4,139	2.2	55.9	1.42	80	0.3	0.23
Certain conditions originating in the perinatal period	P00-P96	98	7,282	3.9	74.3	2.77	98	0.3	0.35
External causes of death	V01-Y98	1,210	37,879	20.2	31.3	9.81	1,604	5.4	3.40
- Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850	328	11,567	6.2	35.3	3.10	370	1.2	0.86
- Suicide	X60-X84, Y870	391	12,063	6.4	30.9	3.07	436	1.5	0.96
Other causes[1]		1,249	27,681	14.8	22.2	6.93	3,679	12.4	6.55
All causes		**11,390**	**187,399**	**100.0**	**16.5**	**44.59**	**29,652**	**100.0**	**53.42**

Note: PYLL - Potential Years of Life Lost, denotes the total number of years of life lost from an established life expectancy (75 years).

PYLLSR - PYLL Standardized Rate per 1,000 standard population (Canada 1991 Census).

ASMR - Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).

[1] Other causes includes undetermined and pending.

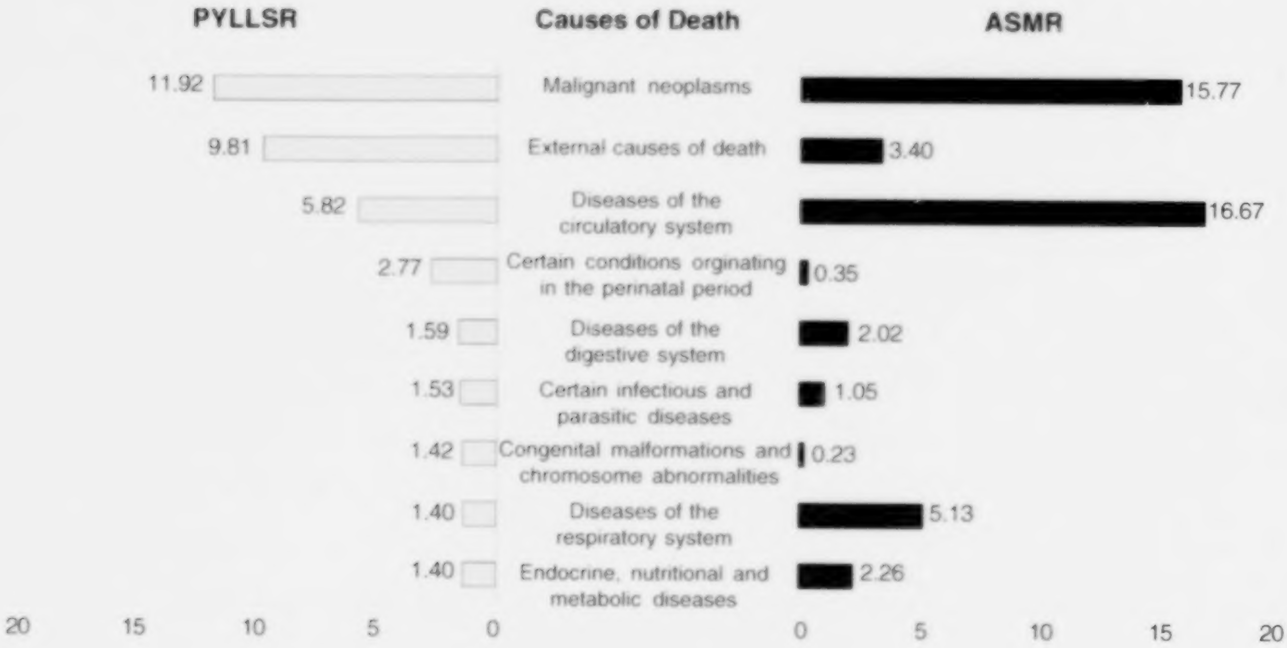
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.

The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 39

POTENTIAL YEARS OF LIFE LOST AND AGE STANDARDIZED MORTALITY RATES BY SELECTED CAUSES OF DEATH

BRITISH COLUMBIA, 2004



Note: PYLLSR - Potential Years of Life Lost Standardized Rate (age under 75 years) per 1,000 standard population.
ASMR - Age Standardized Mortality Rate per 10,000 standard population.

HIGHLIGHTS TO TABLE 34/FIGURE 39

- Out of the 29,652 deaths in B.C. in 2004, 11,390 (38.4%) were under age 75. The proportion of 'premature' deaths varied considerably by cause of death:
  - 1,210 deaths from external causes were premature (75.4% of the 1,604 deaths from this cause)
  - 4,469 deaths from malignant neoplasms (cancer) were premature (53.2% of 8,401 deaths)
  - 2,357 deaths from circulatory system diseases were premature (24.0% of 9,819 deaths)
  - 662 respiratory system deaths were premature (21.9% of 3,025 deaths).
- Potential Years of Life Lost (PYLL) is used as an alternate measure of mortality to reflect the impact of deaths that occur at younger ages. For every death under the age of 75, there are potential years of life lost. A comparison of deaths from HIV disease and perinatal conditions illustrates the value of PYLL as a health status indicator. HIV disease was responsible for 104 deaths under age 75 and 2,835 potential years of life lost in 2004. In contrast, the 98 deaths from perinatal conditions resulted in a much larger number of PYLL (7,282) since almost all of these deaths were infants.
- An average of 16.5 years of life were lost per death under 75 years of age. The causes of death shown in the table that had the highest average Potential Years of Life Lost (PYLL) were:
  - 74.3 years lost per death due to perinatal conditions
  - 55.9 years lost per death due to congenital anomalies
  - 31.3 years lost per death due to external causes
- The Potential Years of Life Lost Standardized Rate (PYLLSR) for deaths from all causes in 2004 was 44.59 potential years of life lost per 1,000 standard population.

TABLE 35

POTENTIAL YEARS OF LIFE LOST BY AGE GROUP AND MAJOR CAUSES OF DEATH (AGE UNDER 75 YEARS)

BRITISH COLUMBIA, 2004

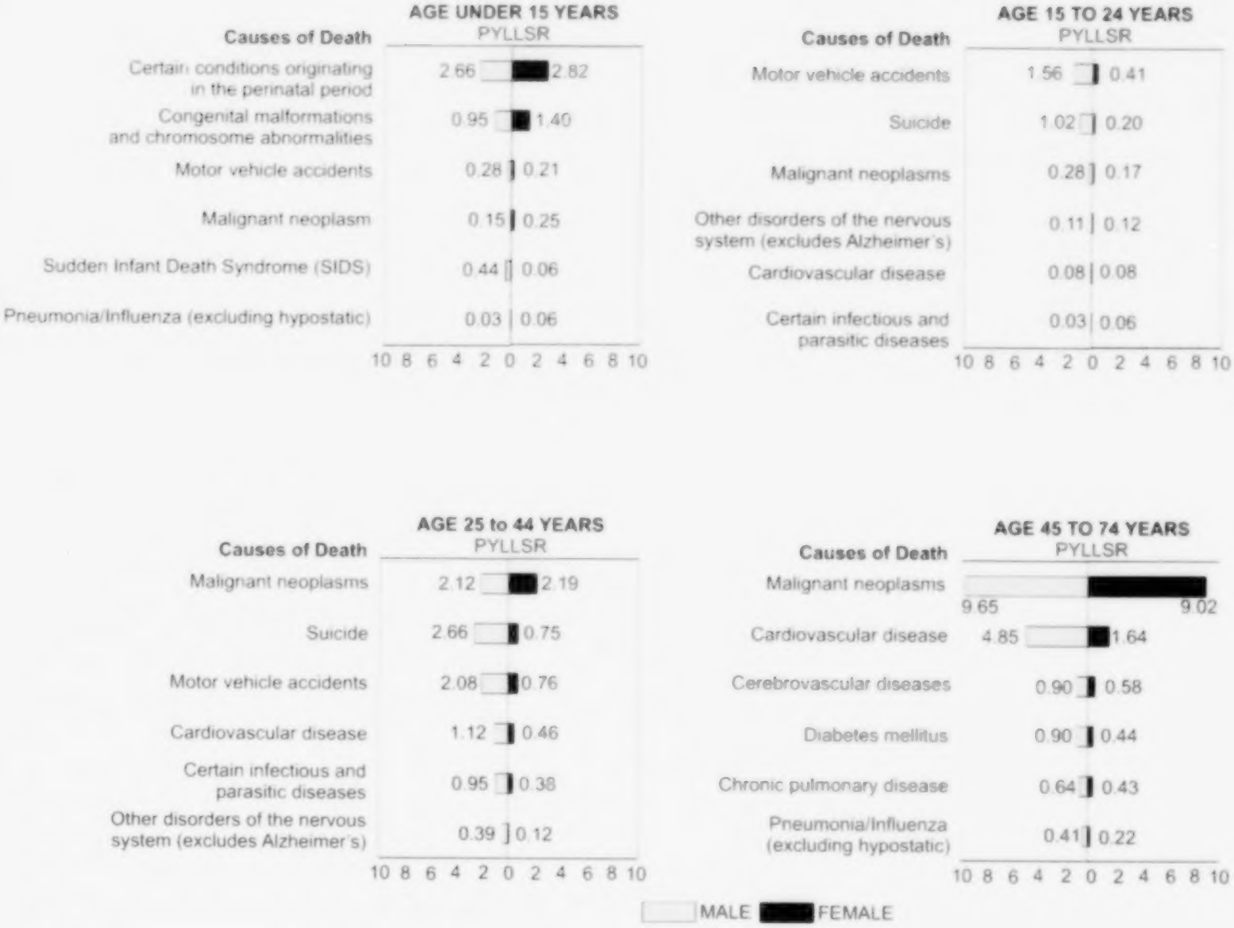
		Male				Female				Total			
Cause of Death	ICD-10 Code(s)	Deaths	PYLL	PYLL %	PYLLSR	Deaths	PYLL	PYLL %	PYLLSR	Deaths	PYLL	PYLL %	PYLLSR
Under 15 Years Old													
Certain conditions originating in the perinatal period	P00-P96	49	3,632	41.1	2.66	48	3,576	40.2	2.82	98	7,282	40.9	2.77
Congenital malformations and chromosome abnormalities	Q00-Q99	19	1,370	15.5	0.95	24	1,781	20.0	1.40	43	3,151	17.7	1.17
Motor vehicle accidents	V02-V04, V09, V12-V14, V190- V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850	7	464	5.2	0.28	5	333	3.7	0.21	12	797	4.5	0.24
Malignant neoplasms	C00-C97	4	265	3.0	0.15	6	399	4.5	0.25	10	664	3.7	0.20
Sudden infant death syndrome (SIDS)	R95	8	596	6.7	0.44	1	75	0.8	0.06	9	671	3.8	0.26
Pneumonia/Influenza (excluding hypostatic)	J10-J181, J188, J189	1	63	0.7	0.03	1	75	0.8	0.06	2	137	0.8	0.05
Other causes[1]		35	2,450	27.7	1.62	38	2,656	29.9	1.86	73	5,106	28.7	1.73
All causes		**123**	**8,839**	**100.0**	**6.14**	**123**	**8,894**	**100.0**	**6.66**	**247**	**17,807**	**100.0**	**6.42**
15-24 Years Old													
Motor vehicle accidents	V02-V04, V09, V12-V14, V190- V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850	56	3,065	27.8	1.56	14	765	18.9	0.41	70	3,830	25.4	1.00
Suicide	X60-X84, Y870	37	2,003	18.2	1.02	7	383	9.5	0.20	44	2,385	15.8	0.62
Malignant neoplasms	C00-C97	10	550	5.0	0.28	6	325	8.0	0.17	16	875	5.8	0.23
Other disorders of the nervous system(exl. Alzheimeris)	G00-G25, G31-G99	4	210	1.9	0.11	4	220	5.4	0.12	8	430	2.9	0.11
Cardiovascular disease	I00-I51	3	158	1.4	0.08	3	158	3.9	0.08	6	315	2.1	0.08
Certain infectious and parasitic diseases	A00-B99	1	53	0.5	0.03	2	110	2.7	0.06	3	163	1.1	0.04
Other causes[1]		92	4,985	45.2	2.55	38	2,080	51.5	1.11	130	7,065	46.9	1.85
All causes		**203**	**11,023**	**100.0**	**5.63**	**74**	**4,040**	**100.0**	**2.16**	**277**	**15,063**	**100.0**	**3.94**
25-44 Years Old													
Malignant neoplasms	C00-C97	111	3,993	13.3	2.12	114	4,125	29.9	2.19	225	8,118	18.6	2.15
Suicide	X60-X84, Y870	113	4,463	14.9	2.66	32	1,265	9.2	0.75	145	5,728	13.1	1.70
Motor vehicle accidents	V02-V04, V09, V12-V14, V190- V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850	82	3,355	11.2	2.08	30	1,235	9.0	0.76	112	4,590	10.5	1.42
Cardiovascular disease	I00-I51	60	2,135	7.1	1.12	25	893	6.5	0.46	85	3,028	6.9	0.79
Certain infectious and parasitic diseases	A00-B99	49	1,773	5.9	0.95	20	720	5.2	0.38	69	2,493	5.7	0.66
Other disorders of the nervous system(exl. Alzheimeris)	G00-G25, G31-G99	18	680	2.3	0.39	6	220	1.6	0.12	24	900	2.1	0.25
Other causes[1]		356	13,540	45.2	7.72	137	5,328	38.6	3.11	493	18,868	43.2	5.41
All causes		**789**	**29,938**	**100.0**	**17.04**	**364**	**13,785**	**100.0**	**7.77**	**1,153**	**43,723**	**100.0**	**12.39**
45-74 Years Old													
Malignant neoplasms	C00-C97	2,260	23,760	34.8	9.65	1,958	23,010	54.2	9.02	4,218	46,770	42.2	9.33
Cardiovascular disease	I00-I51	1,075	12,043	17.6	4.85	465	4,048	9.5	1.64	1,540	16,090	14.5	3.23
Cerebrovascular diseases	I60-I69	231	2,248	3.3	0.90	163	1,438	3.4	0.58	394	3,685	3.3	0.74
Diabetes mellitus	E10-E14	228	2,210	3.2	0.90	125	1,048	2.5	0.44	353	3,258	2.9	0.66
Chronic Pulmonary Disease	J40-J44	201	1,493	2.2	0.64	137	998	2.3	0.43	338	2,490	2.2	0.53
Pneumonia/Influenza (excluding hypostatic)	J10-J181, J188, J189	100	1,020	1.5	0.41	60	540	1.3	0.22	160	1,560	1.4	0.31
Other causes[1]		1,782	25,570	37.4	9.76	928	11,385	26.8	4.37	2,710	36,955	33.4	7.04
All causes		**5,877**	**68,343**	**100.0**	**27.10**	**3,836**	**42,465**	**100.0**	**16.70**	**9,713**	**110,880**	**100.0**	**21.85**

Note: PYLL – Potential Years of Life Lost, denotes the total number of years of life lost from an established life expectancy (75 years). PYLLSR – PYLL Standardized Rate per 1,000 standard population (Canada 1991 Census). [1]Other causes includes undetermined and pending. Causes of death are ordered by total deaths in the age group. Total percentage may not add up to 100 due to rounding. Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 40

POTENTIAL YEARS OF LIFE LOST
STANDARDIZED RATES BY AGE GROUP AND GENDER
MAJOR CAUSES OF DEATH (AGE UNDER 75 YEARS)

BRITISH COLUMBIA, 2004



Note: Causes of death are ordered by total deaths (Table 35).
PYLLSR-PYLL Standardized Rate per 1,000 population.

HIGHLIGHTS TO TABLE 35/FIGURE 40

- In 2004, there were 247 deaths in the under 15 year age group: 123 young men, 123 young women, and one newborn with unknown gender. These deaths resulted in a total of 17,807 potential years of life lost (PYLL). Perinatal conditions and congenital anomalies accounted for 40.9% and 17.7% of PYLL, respectively. The Potential Years of Life Lost Standardized Rate (PYLLSR) was 6.42 years of life lost per 1,000 standard population in this age group.
- In the 15-24 age group, a total of 15,063 potential years of life were lost from the 277 deaths in 2004, resulting in a PYLLSR of 3.94 potential years of life lost per 1,000 standard population. Males accounted for 203 of these deaths and the male PYLLSR (5.63) was more than two and a half times the rate for females (2.16). Motor vehicle accidents were a major cause of death in this age group, responsible for 70 deaths and 3,830 PYLL.
- In the 'prime of life' 25-44 age group, there were 1,153 deaths in 2004, producing a total of 43,723 potential years of life lost and a PYLLSR of 12.39 per 1,000 standard population. Among the 789 male deaths, the highest PYLLSR was for suicide (2.66), followed by malignant neoplasms (2.12) and motor vehicle accidents (2.08). For the 364 female deaths, the highest PYLLSR was for malignant neoplasms (2.19). The PYLLSR for males (17.04) was more than twice the rate for females (7.77).
- In the 45-74 age group, the 9,713 deaths resulted in a total of 110,880 potential years of life lost in 2004, and a PYLLSR of 21.85 per 1,000 standard population. Malignant neoplasms were the leading cause of death in this age group; the 4,218 deaths from cancer were responsible for a total of 46,770 potential years of life lost, and a PYLLSR of 9.33. As in other age groups, the PYLLSR for males (27.10) was considerably higher than for females (16.70).

Table 36

POTENTIAL YEARS OF LIFE LOST BY LOCAL HEALTH AREA
EXTERNEL CAUSES OF DEATH (AGE UNDER 75 YEARS), BRITISH COLUMBIA, 1999–2003 AND 2004

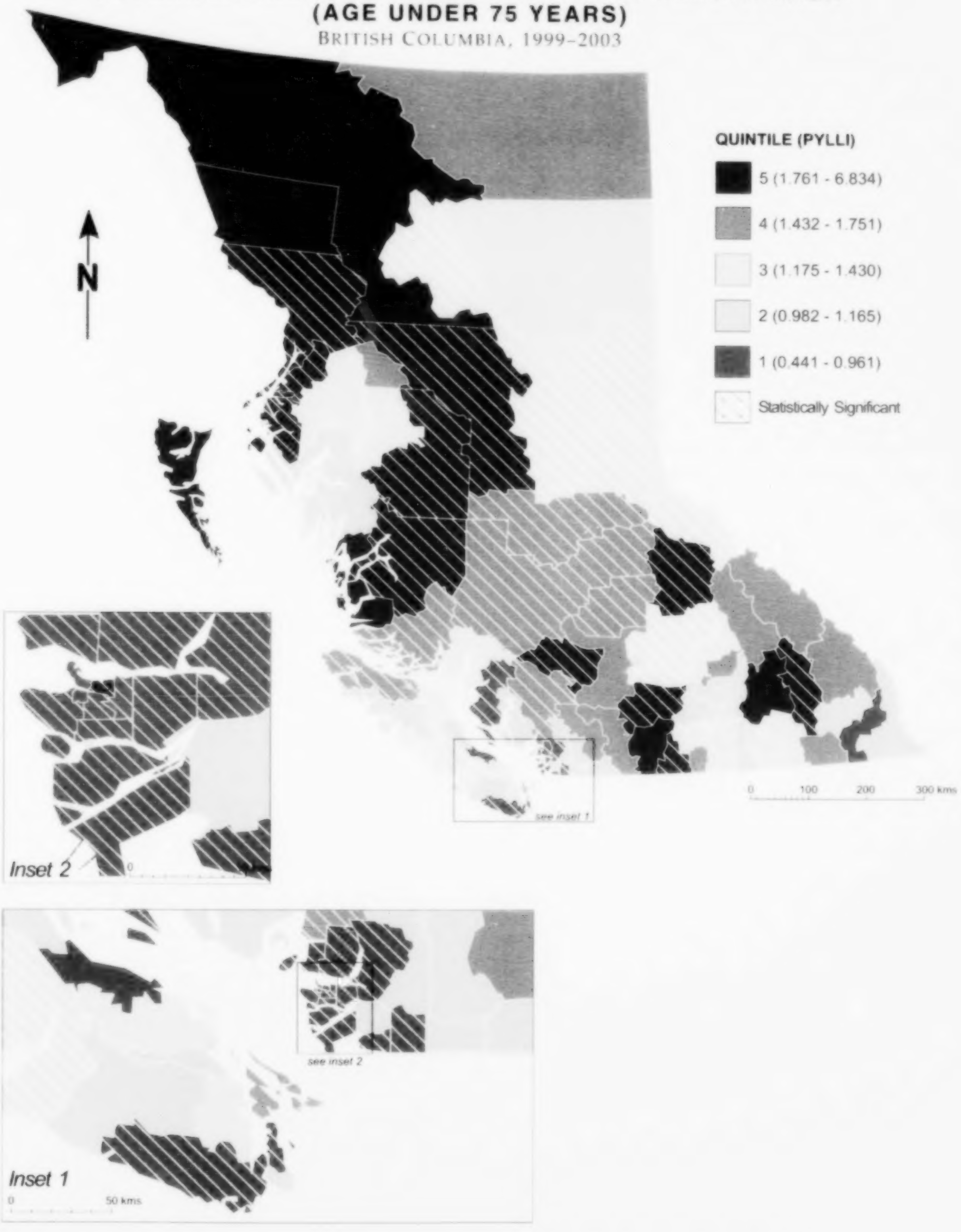
Local Health Area		1999–2003			2004				95% Confidence Limit	
		Observed Deaths	Observed PYLL	PYLL Index (p)	Observed Deaths	Observed PYLL	Expected PYLL	PYLL Index (p)	Lower	Upper
001	Fernie	29	1,117	1.10	7	258	151.44	1.70	0.35	3.06
002	Cranbrook	50	1,530	0.96	6	150	232.78	0.64	0.08	1.21
003	Kimberley	16	535	1.05	2	115	76.31	1.51	0.00	3.60
004	Windermere	23	833	1.43	3	93	90.01	1.03	0.00	2.26
005	Creston	29	1,047	1.55	6	155	99.14	1.56	0.11	3.01
006	Kootenay Lake	20	605	2.94 *	-	-	29.29	-	-	-
007	Nelson	61	2,007	1.31	8	230	221.16	1.04	0.25	1.83
009	Castlegar	32	1,100	1.32	4	180	118.43	1.52	0.00	3.07
010	Arrow Lakes	15	618	2.08	5	143	43.04	3.32	0.06	6.58
011	Trail	44	1,615	1.35	7	193	168.35	1.15	0.06	2.23
012	Grand Forks	18	580	1.11	4	95	74.68	1.27	0.00	2.63
013	Kettle Valley	10	270	1.26	-	-	29.93	-	-	-
014	Southern Okanagan	44	1,340	1.48	2	60	136.44	0.44	0.00	1.05
015	Penticton	85	2,729	1.25	20	690	321.83	2.14 *	1.12	3.16
016	Keremeos	20	780	3.23 *	7	183	36.55	5.01	0.98	9.03
017	Princeton	14	485	1.88	1	58	37.20	1.56	0.00	4.59
018	Golden	20	790	1.60	2	55	74.51	0.74	0.00	2.12
019	Revelstoke	21	783	1.45	4	90	77.77	1.16	0.00	2.35
020	Salmon Arm	73	2,208	1.23	16	660	271.09	2.43 *	1.16	3.71
021	Armstrong - Spallumcheen	22	935	1.59	3	58	86.32	0.67	0.00	1.50
022	Vernon	122	3,800	1.10	27	763	510.89	1.49	0.87	2.12
023	Central Okanagan	283	9,142	1.01	43	1,440	1,377.68	1.05	0.69	1.40
024	Kamloops	259	8,857	1.38 *	33	1,113	933.15	1.19	0.75	1.64
025	100 Mile House	43	1,427	1.65 *	10	220	124.75	1.76	0.38	3.14
026	North Thompson	21	725	2.21 *	4	210	48.58	4.32	0.02	8.63
027	Cariboo - Chilcotin	92	3,217	1.72 *	11	273	270.17	1.01	0.28	1.75
028	Quesnel	74	2,337	1.44 *	9	238	231.99	1.03	0.20	1.86
029	Lillooet	23	598	2.01 *	4	95	43.17	2.20	0.00	4.80
030	South Cariboo	27	793	1.75	10	170	67.99	2.50	0.70	4.30
031	Merritt	51	1,873	2.67 *	6	175	102.06	1.71	0.16	3.27
032	Hope	27	845	1.71	10	200	72.85	2.75	0.61	4.88
033	Chilliwack	151	4,907	1.14	15	483	649.08	0.74	0.34	1.15
034	Abbotsford	225	8,027	1.07	38	1,275	1,131.14	1.13	0.73	1.52
035	Langley	153	5,313	0.73 *	30	795	1,057.41	0.75	0.45	1.05
037	Delta	105	3,679	0.57 *	16	505	908.59	0.56 *	0.27	0.84
038	Richmond	147	4,852	0.44 *	18	530	1,600.30	0.33 *	0.15	0.51
040	New Westminster	130	3,895	1.04	21	623	546.57	1.14	0.59	1.69
041	Burnaby	257	8,712	0.67 *	36	1,220	1,896.21	0.64 *	0.41	0.88
042	Maple Ridge	158	5,530	1.06	22	865	796.09	1.09	0.61	1.57
043	Coquitlam	221	7,826	0.60 *	45	1,383	1,950.26	0.71 *	0.47	0.95
044	North Vancouver	129	4,275	0.51 *	28	940	1,212.24	0.78	0.46	1.09
045	West Vancouver-Bowen Is.	53	1,613	0.59 *	10	255	408.50	0.62	0.18	1.06
046	Sunshine Coast	54	1,675	1.12	9	333	225.28	1.48	0.47	2.49
047	Powell River	26	690	0.58 *	9	288	170.04	1.69	0.47	2.92
048	Howe Sound	83	3,178	1.43 *	13	468	333.02	1.41	0.57	2.24
049	Bella Coola Valley	22	785	3.59 *	-	-	30.06	-	-	-
050	Queen Charlotte	24	625	1.76	3	98	51.48	1.90	0.00	4.16
051	Snow Country	9	353	6.83 *	-	-	7.57	-	-	-
052	Prince Rupert	63	2,138	1.90 *	5	193	158.73	1.22	0.04	2.40
053	Upper Skeena	15	573	1.50	3	73	54.23	1.35	0.00	3.35
054	Smithers	39	1,578	1.32	9	345	169.86	2.03	0.59	3.47
055	Burns Lake	26	910	1.89 *	4	115	70.71	1.63	0.00	3.34
056	Nechako	64	2,301	2.04 *	7	313	163.29	1.92	0.39	3.44
057	Prince George	247	8,421	1.24 *	49	1,508	984.80	1.53 *	1.06	2.01
059	Peace River South	74	2,410	1.39 *	8	300	252.32	1.19	0.32	2.06
060	Peace River North	68	2,534	1.22	11	457	308.60	1.48	0.53	2.44
061	Greater Victoria	404	12,986	1.02	58	1,875	1,875.67	1.00	0.72	1.28
062	Sooke	77	2,652	0.76 *	15	418	522.53	0.80	0.29	1.31
063	Saanich	67	2,143	0.65 *	12	365	491.75	0.74	0.30	1.19
064	Gulf Islands	31	1,053	1.48	8	235	110.00	2.14	0.38	3.90
065	Cowichan	96	3,624	1.18	22	625	453.11	1.38	0.72	2.04
066	Lake Cowichan	10	365	0.98	2	55	55.04	1.00	0.00	2.47
067	Ladysmith	31	1,013	1.13	5	193	134.22	1.44	0.10	2.77
068	Nanaimo	199	6,593	1.18	28	990	828.80	1.19	0.71	1.68
069	Qualicum	57	1,773	0.88	13	343	312.07	1.10	0.39	1.80
070	Alberni	78	2,775	1.43 *	17	578	282.10	2.05	0.97	3.13
071	Courtenay	114	3,832	1.12	18	480	505.13	0.95	0.43	1.47
072	Campbell River	95	3,068	1.22	13	418	361.14	1.16	0.47	1.85
075	Mission	80	2,495	1.06	11	328	349.63	0.94	0.34	1.53
076	Agassiz - Harrison	23	753	1.44	2	85	81.27	1.05	0.00	2.58
077	Summerland	18	715	1.17	2	60	94.77	0.63	0.00	1.73
078	Enderby	19	618	1.47	2	65	62.13	1.05	0.00	2.56
080	Kitimat	24	905	1.16	2	65	107.06	0.61	0.00	1.49
081	Fort Nelson	16	670	1.48	3	118	68.67	1.72	0.00	3.67
083	Central Coast	9	308	2.66	-	-	16.68	-	-	-
084	Vancouver Island West	6	205	1.14	-	-	23.85	-	-	-
085	Vancouver Island North	43	1,646	1.74 *	7	138	133.52	1.03	0.06	2.01
087	Stikine	5	237	3.01	-	-	11.30	-	-	-
088	Terrace	54	1,752	1.19	8	320	209.11	1.53	0.43	2.63
092	Nisgaia	13	433	3.31 *	1	28	18.05	1.55	0.00	4.54
094	Telegraph Creek	6	190	4.86	1	38	5.90	6.45	0.00	18.91
161	Vancouver - City Centre	233	7,108	0.96	34	975	1,196.43	0.81	0.52	1.11
162	Vancouver - Downtown E.side	366	11,382	3.14 *	42	1,185	545.96	2.17 *	1.46	2.89
163	Vancouver - North East	141	4,805	0.76 *	20	555	918.89	0.60 *	0.31	0.90
164	Vancouver - Westside	114	3,700	0.45 *	19	523	1,217.11	0.43 *	0.21	0.65
165	Vancouver - Midtown	133	4,603	0.79 *	17	612	832.14	0.74	0.35	1.12
166	Vancouver - South	158	5,367	0.67 *	31	903	1,175.00	0.77	0.45	1.09
201	Surrey	577	21,486	1.07	95	2,940	2,985.07	0.98	0.76	1.20
202	South Surrey/White Rock	83	2,663	0.67 *	16	570	598.98	0.95	0.46	.44
	PROVINCIAL TOTAL	**7,600**	**256,604**	**1.00**	**1,210**	**37,879**	**37,879.00**	**1.00**	**0.94**	**1.06**

Note: Notes for table follow table highlights.

FIGURE 41

EXTERNAL CAUSES OF DEATH BY LOCAL HEALTH AREA (AGE UNDER 75 YEARS)

BRITISH COLUMBIA, 1999–2003


QUINTILE (PYLLI)
5 (1.761 - 6.834)
4 (1.432 - 1.751)
3 (1.175 - 1.430)
2 (0.982 - 1.165)
1 (0.441 - 0.961)
Statistically Significant
N
0
100
200
300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0
50 kms

Note: PYLLI - Potential Years of Life Lost Index. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 36/FIGURE 41

- There were four Local Health Areas (LHAs) with statistically significant and high Potential Years of Life Lost Index (PYLLI) for external causes of death under 75 years of age in 2004 (number of deaths in parentheses):

020	Salmon Arm	(16)	2.43
162	Vancouver - Downtown E.side	(42)	2.17
015	Penticton	(20)	2.14
057	Prince George	(49)	1.53

- Two of these LHAs, 162 Vancouver - Downtown Eastside and 057 Prince George, also had statistically significant high PYLLI values for external causes of death (age under 75 years) in 1999-2003.
- In 2004, the six LHAs with statistically significant and low PYLLI values for external causes (number of deaths in parentheses) were:

038	Richmond	(18)	0.33
164	Vancouver - Westside	(19)	0.43
037	Delta	(16)	0.56
163	Vancouver - North East	(20)	0.60
041	Burnaby	(36)	0.64
043	Coquitlam	(45)	0.71

- All of the above LHAs also had statistically significant and low PYLLI values for external causes of death (age under 75 years) in 1999-2003.
- Seven LHAs, 006 Kootenay Lake. 013 Kettle Valley, 049 Bella Coola Valley, 051 Snow Country, 083 Central Coast, 084 Vancouver Island West, and 087 Stikine, , had no deaths under 75 years of age from external causes in 2004.
- In the 1999-2003 period, a total of 21 LHAs had PYLLI values for external causes that were statistically significant and high. The five LHAs with the highest statistically significant index values for this five-year period (number of deaths in parentheses) were:

051	Snow Country	(9)	6.83
049	Bella Coola Valley	(22)	3.59
092	Nisga'a	(13)	3.31
016	Keremeos	(20)	3.23
162	Vancouver - Downtown E.side	(366)	3.14

- In the 1999-2003 period, 15 LHAs had PYLLI values for external causes that were statistically significant and low. The five LHAs with the lowest index values that were statistically significant for this five-year period (number of deaths in parentheses) were:

038	Richmond	(147)	0.44
164	Vancouver - Westside	(114)	0.45
044	North Vancouver	(129)	0.51
037	Delta	(105)	0.57
047	Powell River	(26)	0.58

Notes to Table 36

Note: PYLL - Potential Years of Life Lost, denotes the total number of years of life lost from an established life expectancy (75 years). PYLLSR - PYLL Standardized Rate per 1,000 standard population (Canada 1991 Census). * Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). + Denotes significance based on less than five deaths. Non-residents are excluded.

TABLE 37

DEATHS DUE TO MEDICALLY TREATABLE DISEASES BY SELECTED CAUSES AND GENDER

BRITISH COLUMBIA, 1999–2003 AND 2004

				2004					
		1999–2003		Male		Female		Total	
Cause of Death	ICD-10 Code(s)	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Hypertension and hypertensive diseases	I10-I15	118	17.0	25	27.8	9	13.4	34	21.7
Pneumonia and unqualified bronchitis	J12-J181, J188, J189, J40	131	18.8	14	15.6	4	6.0	18	11.5
Malignant neoplasm of cervix	C53	147	21.1	-	-	33	49.3	33	21.0
Tuberculosis	A15-A19, B90	15	2.2	3	3.3	-	-	3	1.9
Asthma	J45-J46	37	5.3	3	3.3	-	-	3	1.9
Chronic rheumatic heart disease	I05-I09	8	1.1	-	-	1	1.5	1	0.6
Acute respiratory infections and influenza	J00-J06, J10-J11, J20-22	4	0.6	-	-	-	-	-	-
Bacterial Infections*	A00-A05, ..., M871	189	27.2	38	42.2	18	26.9	56	35.7
Hodgkinis disease	C81	16	2.3	1	1.1	-	-	1	0.6
Abdominal hernias, cholecystitis and cholelithiasis, appendicitis	K35-K37, K40-K46, K80, K81	30	4.3	6	6.7	2	3.0	8	5.1
Nutritional anemias	D50-D53	1	0.1	-	-	-	-	-	-
TOTAL		**696**	**100.0**	**90**	**100.0**	**67**	**100.0**	**157**	**100.0**

Note: Medically Treatable Diseases based on Charlton's definition (see Glossary).

*ICD-10 codes A00–A05, A20–A49, B95–B96, G00, H66, H70, H95.0–H95.1, I00–I01, I02.0, I02.9, L01–L08, M00, M02.8–M02.9, M46.2, M86, M87.1.

Total percentage may not add up to 100 due to rounding.

The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

HIGHLIGHTS TO TABLE 37

- The medically treatable diseases presented in this table were selected according to Charlton's definition based on mortality in specific age groups that could potentially be avoided through appropriate medical attention (see Glossary). There were 157 deaths in 2004 that were identified as medically treatable according to this definition.

- Males accounted for slightly more than half (57.3%) the deaths from medically treatable diseases (90 male deaths) in 2004. About two fifths (42.2%) of these male deaths were from bacterial infections (38 deaths), more than a quarter (27.8%) were due to hypertensive disease (25), and about one in seven (15.6%) was from pneumonia and unqualified bronchitis (14). Females accounted for 67 deaths from medically treatable diseases in 2004. Of the female deaths, almost half (49.3%) were due to cervical cancer (33 deaths), more than a quarter (26.9%) were due to bacterial infections (18), and about one in eight (13.4%) were due to hypertension and hypertensive diseases(9).

- In the 1999-2003 period, four categories accounted for 84.1% of the 696 deaths from medically treatable diseases. These were hypertension and hypertensive diseases (118 deaths), bacterial infections (189), cervical cancer (147), and pneumonia and unqualified bronchitis (131).

Table 38

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA DEATHS DUE TO MEDICALLY TREATABLE DISEASES, BRITISH COLUMBIA, 1999–2003 AND 2004

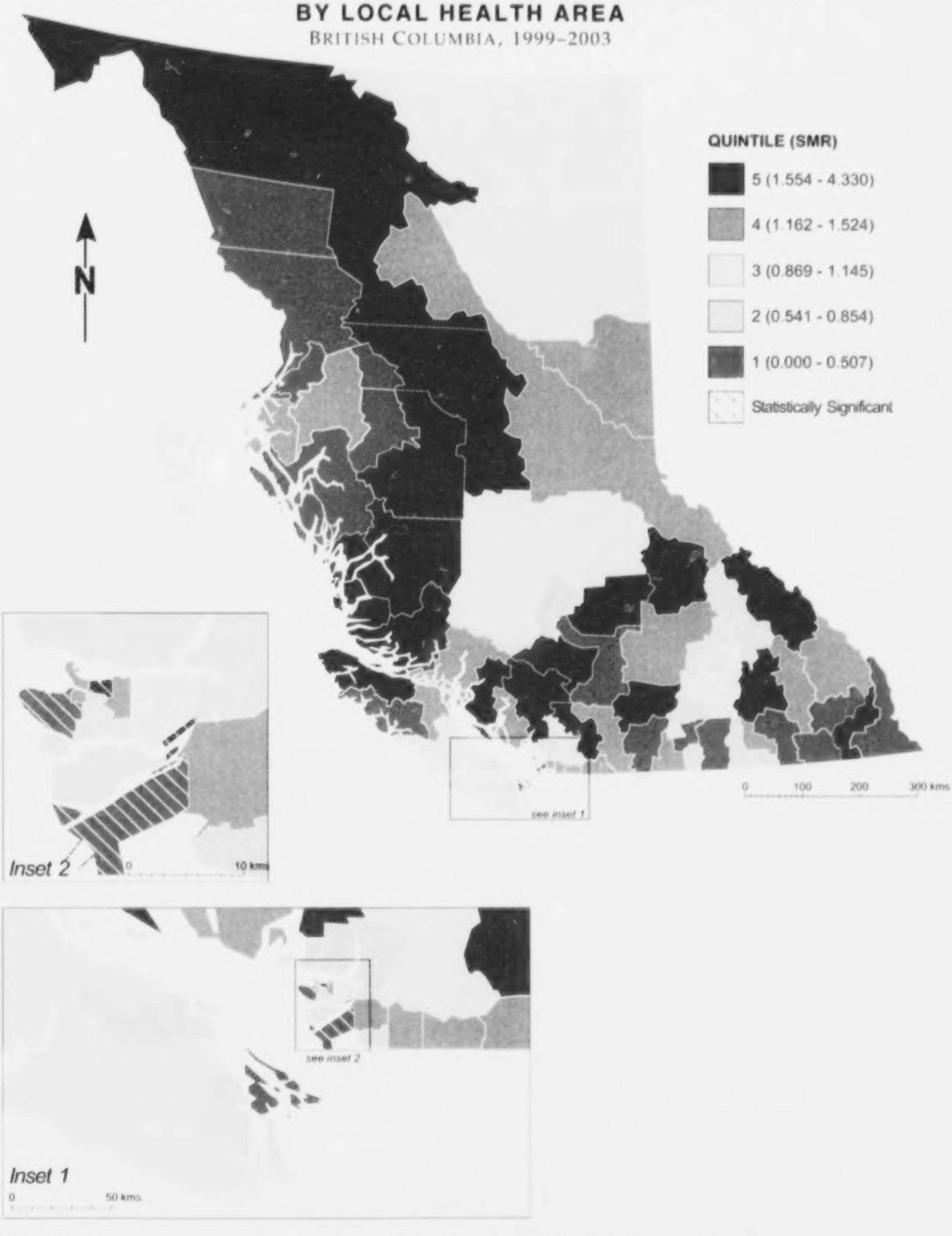
Local Health Area		1999–2003			2004				
		Observed Deaths	SMR (p)	Observed Deaths	Expected Deaths	SMR (p)	95% Confidence Interval Lower		Upper
001	Fernie	1	0.36	-	0.65	-	-	-	-
002	Cranbrook	7	1.59	1	1.00	1.00	0.01	-	5.59
003	Kimberley	-	-	-	0.38	-	-	-	-
004	Windermere	2	1.21	-	0.39	-	-	-	-
005	Creston	-	-	1	0.46	2.18	0.03	-	12.13
006	Kootenay Lake	1	1.51	-	0.14	-	-	-	-
007	Nelson	2	0.45	-	0.99	-	-	-	-
009	Castlegar	3	1.25	1	0.53	1.88	0.02	-	10.48
010	Arrow Lakes	3	3.19	-	0.20	-	-	-	-
011	Trail	3	0.84	-	0.78	-	-	-	-
012	Grand Forks	1	0.61	-	0.36	-	-	-	-
013	Kettle Valley	-	-	-	0.15	-	-	-	-
014	Southern Okanagan	2	0.65	3	0.70	4.32	0.87	-	12.61
015	Penticton	3	0.47	1	1.43	0.70	0.01	-	3.89
016	Keremeos	1	1.16	-	0.19	-	-	-	-
017	Princeton	-	-	1	0.21	4.75	0.06	-	26.43
018	Golden	2	1.55	-	0.30	-	-	-	-
019	Revelstoke	1	0.68	-	0.33	-	-	-	-
020	Salmon Arm	3	0.54	5	1.27	3.94 *	1.27	-	9.18
021	Armstrong - Spallumcheen	1	0.58	-	0.38	-	-	-	-
022	Vernon	9	0.90	2	2.23	0.90	0.10	-	3.23
023	Central Okanagan	16	0.62	8	5.87	1.36	0.59	-	2.68
024	Kamloops	21	1.16	2	4.00	0.50	0.06	-	1.80
025	100 Mile House	5	1.86	1	0.60	1.67	0.02	-	9.30
026	North Thompson	2	2.28	-	0.20	-	-	-	-
027	Cariboo - Chilcotin	5	1.03	-	1.08	-	-	-	-
028	Quesnel	5	1.15	1	0.97	1.03	0.01	-	5.72
029	Lillooet	2	2.64	-	0.17	-	-	-	-
030	South Cariboo	-	-	1	0.30	3.29	0.04	-	18.33
031	Merritt	4	2.13	-	0.41	-	-	-	-
032	Hope	2	1.36	1	0.34	2.96	0.04	-	16.49
033	Chilliwack	14	1.24	2	2.59	0.77	0.09	-	2.79
034	Abbotsford	24	1.30	-	4.24	-	-	-	-
035	Langley	26	1.33	3	4.45	0.67	0.14	-	1.97
037	Delta	8	0.45 *	6	3.98	1.51	0.55	-	3.28
038	Richmond	20	0.65	3	6.92	0.43	0.09	-	1.27
040	New Westminster	18	1.79 *	3	2.29	1.31	0.26	-	3.83
041	Burnaby	31	0.90	6	7.66	0.78	0.29	-	1.71
042	Maple Ridge	12	0.88	5	3.19	1.57	0.50	-	3.66
043	Coquitlam	24	0.69	4	8.04	0.50	0.13	-	1.27
044	North Vancouver	19	0.78	5	5.44	0.92	0.30	-	2.15
045	West Vancouver-Bowen Is.	8	0.85	-	2.16	-	-	-	-
046	Sunshine Coast	7	1.49	1	1.07	0.94	0.01	-	5.20
047	Powell River	6	1.66	3	0.82	3.66	0.74	-	10.69
048	Howe Sound	8	1.60	-	1.16	-	-	-	-
049	Bella Coola Valley	2	3.66	-	0.12	-	-	-	-
050	Queen Charlotte	1	1.09	1	0.21	4.73	0.06	-	26.33
051	Snow Country	-	-	-	0.03	-	-	-	-
052	Prince Rupert	4	1.52	-	0.58	-	-	-	-
053	Upper Skeena	-	-	-	0.19	-	-	-	-
054	Smithers	1	0.35	1	0.64	1.56	0.02	-	8.66
055	Burns Lake	2	1.60	-	0.29	-	-	-	-
056	Nechako	5	1.86	-	0.60	-	-	-	-
057	Prince George	25	1.47	8	3.76	2.13	0.92	-	4.19
059	Peace River South	6	1.41	2	0.95	2.12	0.24	-	7.64
060	Peace River North	5	1.05	2	1.09	1.83	0.21	-	6.62
061	Greater Victoria	32	0.91	6	7.82	0.77	0.28	-	1.67
062	Sooke	9	0.93	1	2.26	0.44	0.01	-	2.47
063	Saanich	9	0.82	1	2.51	0.40	0.01	-	2.22
064	Gulf Islands	1	0.38	-	0.62	-	-	-	-
065	Cowichan	7	0.78	1	2.03	0.49	0.01	-	2.74
066	Lake Cowichan	1	0.93	-	0.24	-	-	-	-
067	Ladysmith	3	1.07	-	0.65	-	-	-	-
068	Nanaimo	13	0.82	6	3.56	1.69	0.62	-	3.67
069	Qualicum	6	0.87	1	1.60	0.63	0.01	-	3.49
070	Alberni	5	0.90	3	1.26	2.39	0.48	-	6.97
071	Courtenay	9	0.88	2	2.31	0.87	0.10	-	3.13
072	Campbell River	9	1.27	-	1.59	-	-	-	-
075	Mission	6	0.97	1	1.44	0.70	0.01	-	3.87
076	Agassiz - Harrison	3	2.22	-	0.32	-	-	-	-
077	Summerland	2	1.03	-	0.46	-	-	-	-
078	Enderby	1	0.81	1	0.28	3.60	0.05	-	20.03
080	Kitimat	1	0.51	-	0.43	-	-	-	-
081	Fort Nelson	1	1.08	-	0.21	-	-	-	-
083	Central Coast	1	3.67	-	0.06	-	-	-	-
084	Vancouver Island West	-	-	-	0.08	-	-	-	-
085	Vancouver Island North	5	2.05	1	0.54	1.85	0.02	-	10.30
087	Stikine	1	4.33	-	0.05	-	-	-	-
088	Terrace	5	1.42	2	0.79	2.54	0.29	-	9.18
092	Nisgaia	-	-	-	0.06	-	-	-	-
094	Telegraph Creek	-	-	-	0.02	-	-	-	-
161	Vancouver - City Centre	22	1.31	9	3.79	2.38 *	1.08	-	4.51
162	Vancouver - Downtown E.side	31	3.39 *	12	2.07	5.80 *	2.99	-	10.13
163	Vancouver - North East	23	1.42	1	3.53	0.28	0.00	-	1.58
164	Vancouver - Westside	8	0.39 *	2	4.44	0.45	0.05	-	1.63
165	Vancouver - Midtown	9	0.60	2	3.33	0.60	0.07	-	2.17
166	Vancouver - South	16	0.76	7	4.70	1.49	0.60	-	3.07
201	Surrey	64	1.28	11	11.42	0.96	0.48	-	1.72
202	South Surrey/White Rock	10	0.76	2	3.06	0.65	0.07	-	2.36
	PROVINCIAL TOTAL	**696**	**1.00**	**157**	**157.00**	**1.00**	**0.85**	-	**1.17**

Note: Medically Treatable Diseases – based on Charlton's definition (see glossary - Medically Treatable Diseases). *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). +Denotes significance based on less than five deaths. SMR - Standardized Mortality Ratio. Non-residents are excluded.

FIGURE 42

DEATHS DUE TO MEDICALLY TREATABLE DISEASES BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1999–2003


QUINTILE (SMR)
5 (1.554 - 4.330)
4 (1.162 - 1.524)
3 (0.869 - 1.145)
2 (0.541 - 0.854)
1 (0.000 - 0.507)
Statistically Significant
N
0
100
200
300 kms
see inset 1
Inset 2
0
10 kms
see inset 2
Inset 1
0
50 kms

Note: SMR - Standardized Mortality Ratio. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 38/FIGURE 42

- Deaths due to medically treatable diseases (see Glossary) occurred across the province, although the numbers were small in most Local Health Areas (LHAs), and only 13 LHAs had five or more deaths in 2004 due to medically treatable diseases. There were three LHAs with SMRs that were statistically significant and high for deaths due to medically treatable diseases; the ratios (number of deaths due to medically treatable diseases in parentheses) were:

162 Vancouver - Downtown Eastside	(12)	5.80
020 Salmon Arm	(5)	3.94
161 Vancouver - City Centre	(9)	2.38

- There were no LHAs with statistically significant and low SMRs for medically treatable diseases in 2004, and 39 LHAs had no deaths due to medically treatable diseases. The small number of deaths from medically treatable diseases in any individual year limits the scope for analysis.
- Over the 1999-2003 period, there were two LHAs with SMRs that were statistically significant and high for deaths due to medically treatable diseases; the ratios (number of deaths due to medically treatable diseases in parentheses) were:

162 Vancouver - Downtown Eastside	(31)	3.39
040 New Westminster	(18)	1.79

- There were two LHAs with statistically significant and low SMRs for deaths due to medically treatable diseases during the 1999-2003 period (number of deaths due to medically treatable diseases in parentheses):

164 Vancouver - Westside	(8)	0.39
037 Delta	(8)	0.45

- In 1999-2003, 10 LHAs had no deaths due to medically treatable diseases.

TABLE 39

ALCOHOL-RELATED DEATHS BY CAUSE

BRITISH COLUMBIA, 1999–2003 AND 2004

Cause of Death	ICD-10 Code(s)	Year of Death			
		1999–2003		2004	
		Number	Percent	Number	Percent
Directly Related to Alcohol					
Alcohol intoxication	F100	178	1.9	47	2.5
Alcoholic psychoses and dependence	F101-F109	433	4.7	94	5.1
Alcoholic neurological disorders	G312, G621, G721	-	-	-	-
Alcoholic cardiomyopathy	I426	78	0.8	20	1.1
Alcoholic gastritis	K292	7	0.1	1	0.1
Alcoholic liver disease	K70	820	8.8	171	9.2
Alcohol induced chronic pancreatitis	K860	13	0.1	5	0.3
Alcohol poisoning	X45, X65	89	1.0	12	0.6
Other alcohol causes	E244, O354, O993, P043, Q860, R780 T510-T512, T519	-	-	-	-
SUBTOTAL		**1,618**	**17.5**	**350**	**18.8**
Indirectly Related to Alcohol[1]					
Certain infectious and parasitic diseases	A00-B99	218	2.4	67	3.6
Neoplasms	C00-D48	1,248	13.5	210	11.3
Endocrine/Nutritional/Metabolic	E00-E243, E248-E89	247	2.7	61	3.3
Mental disorders	F00-F09, F11-F99	91	1.0	27	1.5
Neurological diseases	G00-G311, G318-G620, G622-G720, G722-G99	124	1.3	20	1.1
Circulatory	I00-I425, I427-I99	2,169	23.4	426	22.9
Diseases of the respiratory system	J00-J98	693	7.5	119	6.4
Digestive system diseases	K00-K291, K293-K69, K71-K85, K861-K92	604	6.5	140	7.5
Urinary system diseases	N00-N39, N990, N991, N995	103	1.1	13	0.7
Unintentional injury	V01-X44, X46-X59, Y40-Y86, Y88	1,330	14.4	231	12.4
Suicide	X60-X64, X66-X84, Y87	568	6.1	96	5.2
Homicide	X85-Y09, Y871	53	0.6	5	0.3
All other causes		200	2.2	95	5.1
SUBTOTAL		**7,648**	**82.5**	**1,510**	**81.2**
TOTAL		**9,266**	**100.0**	**1,860**	**100.0**

Note: Alcohol-related deaths – see Glossary for more details.

[1] ICD-10 codes for indirectly related to alcohol exclude the codes for directly related to alcohol and will not match the list of codes used for these categories in other tables.

Total percentage may not add up to 100 due to rounding. Non-residents are excluded.

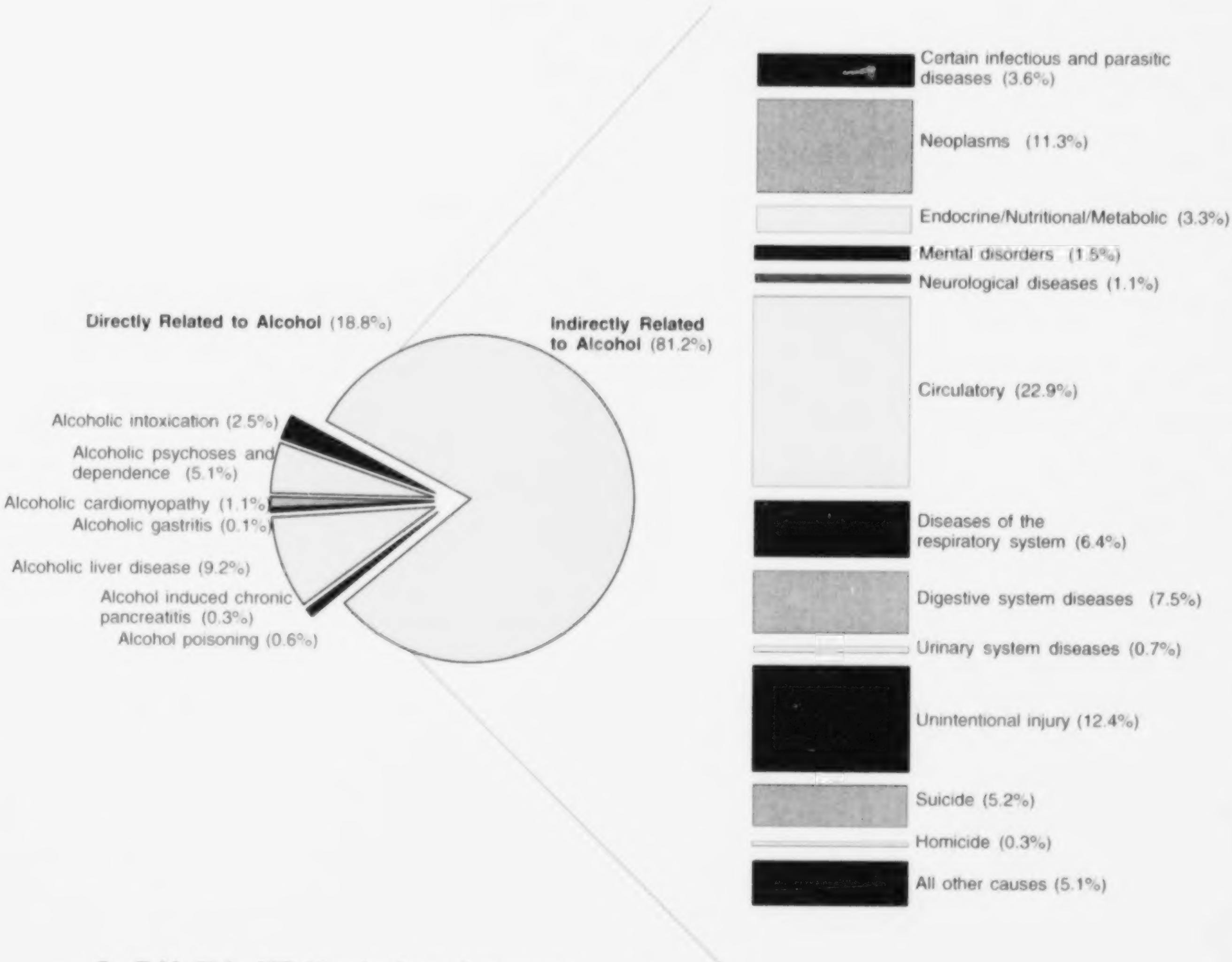
Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000.

The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 43

ALCOHOL-RELATED DEATHS BY CAUSE

BRITISH COLUMBIA, 2004



See Table 39 for ICD-10 codes for each category.

HIGHLIGHTS TO TABLE 39/FIGURE 43

Deaths that are 'directly' related to alcohol are identified by specific underlying causes of death that involve alcohol. Deaths 'indirectly' related to alcohol do not have an alcohol-related underlying cause of death, but alcohol was noted elsewhere on the *Medical Certification of Death*.

- There were 1,860 deaths directly and indirectly related to alcohol in 2004 and 9,266 in 1999-2003.
- In 2004, 350 deaths (18.8%) were directly related to alcohol, which is based on the underlying cause of death. In 1999-2003, 1,618 deaths or 17.5% of alcohol-related deaths were directly due to alcohol.
- Alcoholic liver disease accounted for approximately half of the deaths directly related to alcohol (48.9% in 2004 and 50.7% in 1999-2003). Alcoholic psychoses and dependence was the next largest category of deaths directly related to alcohol.
- There were 1,510 deaths (81.2%) indirectly related to alcohol in 2004. Circulatory system diseases were the largest category of deaths indirectly related to alcohol, accounting for almost three tenths of the indirect deaths (28.2% in 2004 and 28.4% in 1999-2003). Other large causes of death in the indirect group were unintentional injury and neoplasms.

TABLE 40

ALCOHOL-RELATED DEATHS BY AGE AND GENDER

BRITISH COLUMBIA, 2004

Age	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
<15	-	-	-	-	-	-
15-19	8	0.6	2	0.5	10	0.5
20-24	30	2.1	4	0.9	34	1.8
25-44	177	12.5	55	12.4	232	12.5
45-64	584	41.2	160	36.0	744	40.0
65-84	534	37.7	189	42.6	723	38.9
85+	83	5.9	34	7.7	117	6.3
TOTAL	**1,416**	**100.0**	**444**	**100.0**	**1,860**	**100.0**

Note: Alcohol-related deaths – see Table 39 for ICD-10 codes and Glossary for more details.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.
Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality.
With the introduction of ICD-10 in 2000, more specific codes are available.
Currently produced data should not be used in combination with data produced prior to 2000.

HIGHLIGHTS TO TABLE 40

- There were 1, 860 alcohol-related deaths in 2004.
- Out of every 100 alcohol-related deaths in 2004:
  - 76 were males (1,416)
  - 24 were females (444)
- Almost half (45.2 %) of all alcohol related deaths were seniors (723 deaths aged 65-84 and 117 aged 85+) and four tenths (40.0%) were aged 45-64 (744 deaths).

Table 41

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA ALCOHOL-RELATED DEATHS,

BRITISH COLUMBIA, 1999–2003 AND 2004

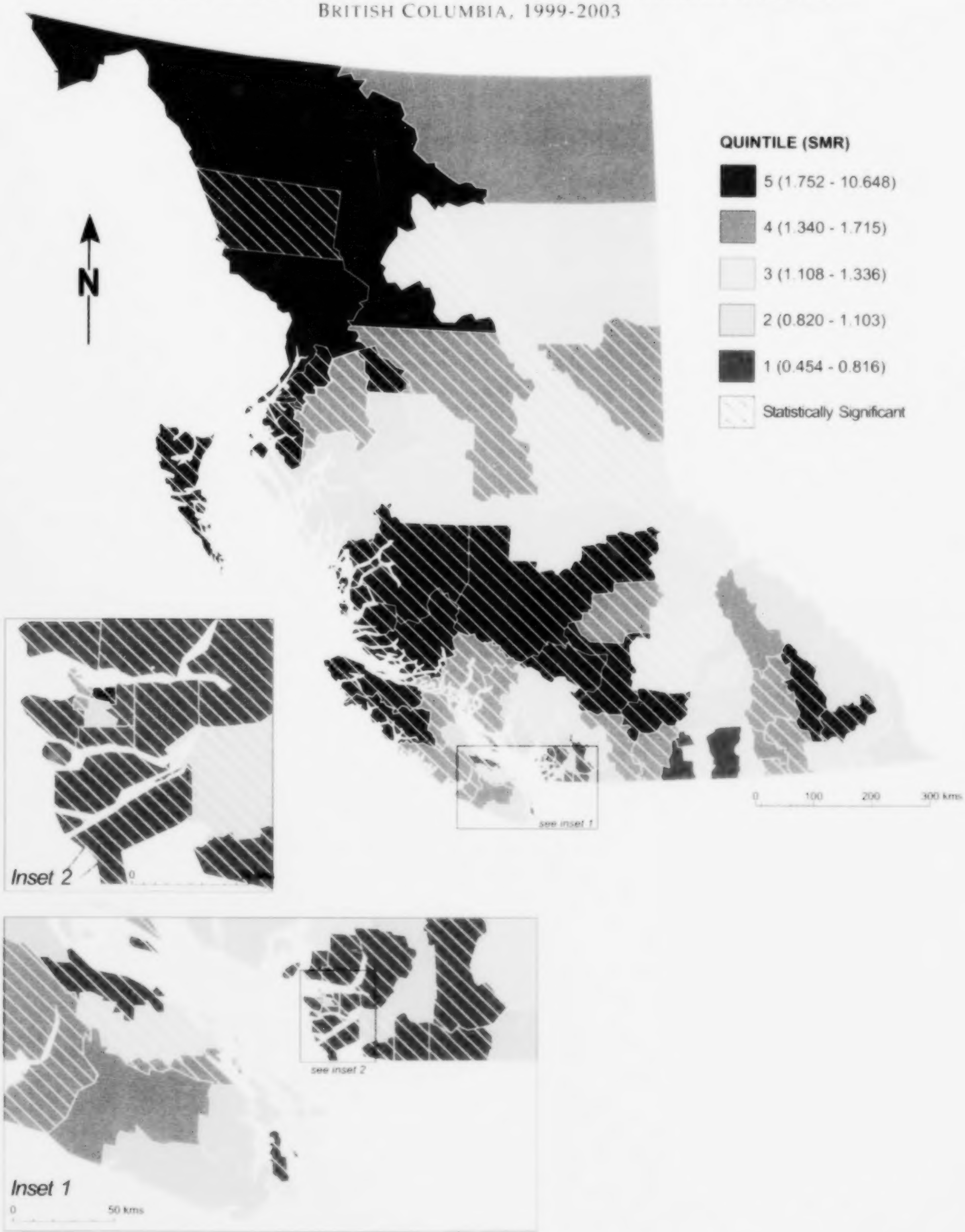
		1999–2003			2004						
									95% Confidence Interval		
Local Health Area		Observed Deaths	SMR	(p)	Observed Deaths	Expected Deaths	SMR	(p)	Lower		Upper
001	Fernie	33	1.02		13	6.63	1.96	*	1.04	-	3.35
002	Cranbrook	70	1.22		17	11.67	1.46		0.85	-	2.33
003	Kimberley	43	1.75	*	3	4.85	0.62		0.12	-	1.81
004	Windermere	23	1.07		2	4.40	0.45		0.05	-	1.64
005	Creston	49	1.26		8	7.26	1.10		0.47	-	2.17
006	Kootenay Lake	19	1.92	*	1	1.96	0.51		0.01	-	2.84
007	Nelson	80	1.36	*	22	11.69	1.88	*	1.18	-	2.85
009	Castlegar	44	1.34		10	6.50	1.54		0.74	-	2.83
010	Arrow Lakes	24	1.70	*	7	2.73	2.57	*	1.03	-	5.29
011	Trail	84	1.56	*	19	10.37	1.83	*	1.10	-	2.86
012	Grand Forks	30	1.11		6	5.30	1.13		0.41	-	2.47
013	Kettle Valley	8	0.77		3	2.02	1.48		0.30	-	4.34
014	Southern Okanagan	86	1.28	*	15	12.93	1.16		0.65	-	1.91
015	Penticton	142	1.16		34	23.54	1.44		1.00	-	2.02
016	Keremeos	14	0.82		7	3.36	2.08		0.83	-	4.29
017	Princeton	26	1.71	*	-	3.01	-		-	-	-
018	Golden	15	1.01		2	3.03	0.66		0.07	-	2.38
019	Revelstoke	25	1.36		3	3.67	0.82		0.16	-	2.39
020	Salmon Arm	92	1.02		26	17.87	1.46		0.95	-	2.13
021	Armstrong - Spallumcheen	22	0.91		4	4.89	0.82		0.22	-	2.10
022	Vernon	170	1.10		40	30.95	1.29		0.92	-	1.76
023	Central Okanagan	393	0.98		84	80.66	1.04		0.83	-	1.29
024	Kamloops	293	1.25	*	56	47.43	1.18		0.89	-	1.53
025	100 Mile House	53	1.39	*	7	7.63	0.92		0.37	-	1.89
026	North Thompson	14	1.34		3	2.19	1.37		0.28	-	4.01
027	Cariboo - Chilcotin	105	1.90	*	20	11.33	1.77	*	1.08	-	2.73
028	Quesnel	67	1.25		12	10.78	1.11		0.57	-	1.94
029	Lillooet	32	3.25	*	8	1.96	4.07	*	1.75	-	8.03
030	South Cariboo	45	2.26	*	11	3.96	2.78	*	1.38	-	4.97
031	Merritt	54	2.17	*	6	4.95	1.21		0.44	-	2.64
032	Hope	36	1.56	*	7	4.62	1.51		0.61	-	3.12
033	Chilliwack	162	0.95		29	34.24	0.85		0.57	-	1.22
034	Abbotsford	168	0.65	*	37	51.74	0.72	*	0.50	-	0.99
035	Langley	180	0.72	*	31	52.82	0.59	*	0.40	-	0.83
037	Delta	135	0.63	*	26	44.39	0.59	*	0.38	-	0.86
038	Richmond	173	0.47	*	32	74.58	0.43	*	0.29	-	0.61
040	New Westminster	160	1.22	*	29	25.70	1.13		0.76	-	1.62
041	Burnaby	333	0.74	*	83	88.16	0.94		0.75	-	1.17
042	Maple Ridge	138	0.86		34	33.41	1.02		0.70	-	1.42
043	Coquitlam	278	0.74	*	54	77.48	0.70	*	0.52	-	0.91
044	North Vancouver	227	0.77	*	40	59.16	0.68	*	0.48	-	0.92
045	West Vancouver-Bowen Is.	84	0.56	*	17	29.35	0.58	*	0.34	-	0.93
046	Sunshine Coast	76	1.03		17	14.78	1.15		0.67	-	1.84
047	Powell River	74	1.37	*	20	10.70	1.87	*	1.14	-	2.89
048	Howe Sound	57	1.13		12	10.59	1.13		0.58	-	1.98
049	Bella Coola Valley	19	3.02	*	4	1.23	3.25		0.87	-	8.32
050	Queen Charlotte	23	2.33	*	6	2.04	2.94	*	1.07	-	6.40
051	Snow Country	4	2.56		-	0.34	-		-	-	-
052	Prince Rupert	68	2.30	*	15	5.77	2.60	*	1.45	-	4.29
053	Upper Skeena	27	2.81	*	5	1.93	2.59		0.83	-	6.04
054	Smithers	34	1.10		8	6.31	1.27		0.55	-	2.50
055	Burns Lake	18	1.13		6	3.20	1.88		0.69	-	4.09
056	Nechako	54	1.72	*	10	6.34	1.58		0.76	-	2.90
057	Prince George	215	1.19	*	54	37.00	1.46	*	1.10	-	1.90
059	Peace River South	79	1.56	*	15	10.18	1.47		0.82	-	2.43
060	Peace River North	65	1.29		9	10.34	0.87		0.40	-	1.65
061	Greater Victoria	657	1.22	*	100	103.87	0.96		0.78	-	1.17
062	Sooke	116	1.03		26	23.30	1.12		0.73	-	1.63
063	Saanich	125	0.66	*	21	37.23	0.56	*	0.35	-	0.86
064	Gulf Islands	49	1.04		8	9.22	0.87		0.37	-	1.71
065	Cowichan	141	1.07		20	26.33	0.76		0.46	-	1.17
066	Lake Cowichan	24	1.54		6	3.05	1.96		0.72	-	4.28
067	Ladysmith	64	1.37	*	18	9.38	1.92	*	1.14	-	3.03
068	Nanaimo	263	1.15	*	60	46.17	1.30		0.99	-	1.67
069	Qualicum	101	0.75	*	14	26.63	0.53	*	0.29	-	0.88
070	Alberni	125	1.64	*	38	15.18	2.50	*	1.77	-	3.44
071	Courtenay	156	1.07		42	29.52	1.42	*	1.03	-	1.92
072	Campbell River	134	1.55	*	34	17.63	1.93	*	1.34	-	2.70
075	Mission	57	0.74	*	13	15.57	0.83		0.44	-	1.43
076	Agassiz - Harrison	24	1.22		2	4.02	0.50		0.06	-	1.80
077	Summerland	26	0.69		2	7.32	0.27	*	0.03	-	0.99
078	Enderby	23	1.21		7	3.85	1.82		0.73	-	3.74
080	Kitimat	22	1.00		7	4.35	1.61		0.64	-	3.32
081	Fort Nelson	12	1.48		2	1.72	1.16		0.13	-	4.19
083	Central Coast	17	5.40	*	4	0.60	6.68	*	1.80	-	17.09
084	Vancouver Island West	13	3.11	*	2	0.80	2.51		0.28	-	9.05
085	Vancouver Island North	48	1.90	*	13	5.10	2.55	*	1.36	-	4.36
087	Stikine	6	2.33		-	0.52	-		-	-	-
088	Terrace	59	1.49	*	9	8.00	1.12		0.51	-	2.14
092	Nisgaia	14	4.53	*	1	0.61	1.64		0.02	-	9.13
094	Telegraph Creek	11	10.65	*	1	0.20	4.99		0.07	-	27.74
161	Vancouver - City Centre	287	1.44	*	51	39.65	1.29		0.96	-	1.69
162	Van. - Downtown E.side	452	3.49	*	56	24.59	2.28	*	1.72	-	2.96
163	Vancouver - North East	173	0.81	*	28	41.70	0.67	*	0.45	-	0.97
164	Vancouver - Westside	120	0.45	*	25	50.99	0.49	*	0.32	-	0.72
165	Vancouver - Midtown	163	0.92		33	34.78	0.95		0.65	-	1.33
166	Vancouver - South	170	0.60	*	36	55.64	0.65	*	0.45	-	0.90
201	Surrey	460	0.82	*	101	119.77	0.84		0.69	-	1.02
202	South Surrey/White Rock	110	0.49	*	29	46.82	0.62	*	0.41	-	0.89
	PROVINCIAL TOTAL	**9,266**	**1.00**		**1,860**	**1,860.00**	**1.00**		**0.96**	**-**	**1.05**

Notes for table follow table highlights.

FIGURE 44

ALCOHOL-RELATED DEATHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1999-2003


QUINTILE (SMR)
5 (1.752 - 10.648)
4 (1.340 - 1.715)
3 (1.108 - 1.336)
2 (0.820 - 1.103)
1 (0.454 - 0.816)
Statistically Significant
N
0 100 200 300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0 50 kms

Note: SMR - Standardized Mortality Ratio. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 41/FIGURE 44

- The LHA with the highest statistically significant Standardized Mortality Ratio (SMR) for alcohol-related deaths in 2004 was 083 Central Coast with an SMR of 6.68, but this ratio is not considered reliable since it is based on only four deaths. There were 17 LHAs with statistically significant and high SMRs for alcohol-related deaths based on at least five deaths in 2004. The ratios for the five highest (number of deaths in parentheses) were:

029	Lillooet	(8)	4.07
050	Queen Charlotte	(6)	2.94
030	South Cariboo	(11)	2.78
052	Prince Rupert	(15)	2.60
010	Arrow Lakes	(7)	2.57

- All the above LHAs also had statistically significant high SMRs for alcohol-related deaths in 1999-2003.
- The LHA with the lowest statistically significant SMR for alcohol-related deaths in 2004 was 077 Summerland with an SMR of 0.27, but this ratio is not considered reliable since it is based on only two deaths. There were 13 LHAs with statistically significant and low SMRs for alcohol-related deaths based on at least five deaths in 2004. The five LHAs with the lowest SMRs (number of deaths in parentheses) were:

038	Richmond	(32)	0.43
164	Vancouver - Westside	(25)	0.49
069	Qualicum	(14)	0.53
063	Saanich	(21)	0.56
045	West Vancouver - Bowen Island	(17)	0.58

- All the above LHAs also had statistically significant low SMRs for alcohol-related deaths in 1999-2003.
- There were three LHAs, 017 Princeton, 051 Snow Country, and 087 Stikine, with no alcohol-related deaths in 2004.
- In the 1999-2003 period, there were 36 LHAs with statistically significant and high SMRs for alcohol-related deaths. The five LHAs with the highest statistically significant SMRs (number of deaths in parentheses) were:

094	Telegraph Creek	(11)	10.65
083	Central Coast	(17)	5.40
092	Nisga'a	(14)	4.53
162	Vancouver - Downtown E.side	(452)	3.49
029	Lillooet	(32)	3.25

- There were 16 LHAs with statistically significant and low SMRs for alcohol-related deaths in 1999-2003. The five LHAs with the lowest statistically significant SMRs (number of deaths in parentheses) were:

164	Vancouver - Westside	(120)	0.45
038	Richmond	(173)	0.47
202	South Surrey / White Rock	(110)	0.49
045	West Vancouver - Bowen Is.	(84)	0.56
166	Vancouver - South	(170)	0.60

Notes to Table 41

Note: *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). +Denotes significance based on less than five deaths. Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000.

TABLE 42

SMOKING-ATTRIBUTABLE MORTALITY

BRITISH COLUMBIA, 2004

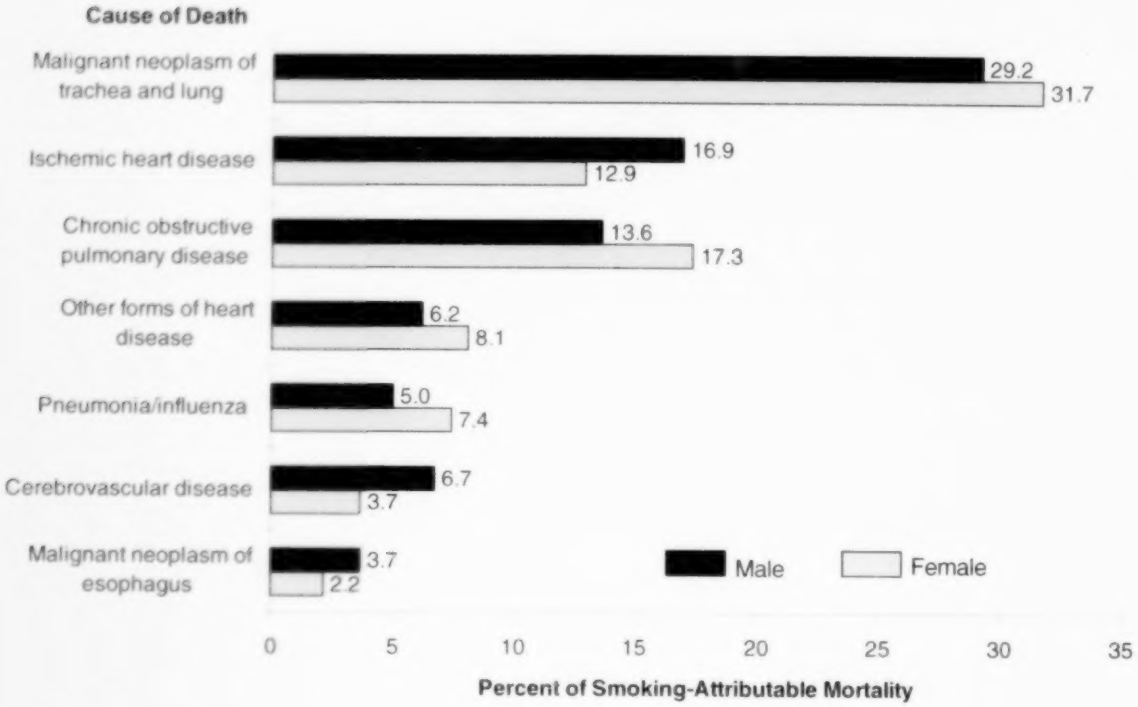
		Male				Female				Total		
				SAM				SAM			SAM	
Cause of Death	ICD-10 Code(s)	Deaths	SAM (%)	Number	Percent	Deaths	SAM (%)	Number	Percent	Deaths	Number	Percent
Malignant Neoplasms												
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14	94	91.2	85	2.4	52	59.9	31	1.3	146	116	1.9
Malignant neoplasm of esophagus	C15	167	78.2	131	3.7	75	71.0	54	2.2	242	185	3.1
Malignant neoplasm of pancreas	C25	245	22.7	54	1.5	249	33.9	84	3.4	494	138	2.3
Malignant neoplasm of larynx	C32	45	79.7	37	1.0	8	87.2	8	0.3	53	45	0.7
Malignant neoplasm of trachea and lung	C33-C34	1,163	89.3	1,039	29.2	1,025	76.5	783	31.7	2,188	1,822	30.2
Malignant neoplasms of cervix, uterus	C53-C55	-	-	-	-	137	33.9	46	1.9	137	46	0.8
Malignant neoplasm of bladder	C67	173	44.8	76	2.1	61	37.6	23	0.9	234	99	1.6
Malignant neoplasm of kidney and other unspecified urinary organs	C64-C66, C68	112	46.8	53	1.5	62	12.4	7	0.3	174	60	1.0
SUBTOTAL		**1,999**		**1,475**	**41.5**	**1,669**		**1,036**	**42.0**	**3,668**	**2,511**	**41.7**
Circulatory System Diseases												
Hypertension	I10-I13	127	24.6	31	0.9	205	16.4	34	1.4	332	65	1.1
Ischemic heart diseases:	I20-I25											
35-64 years		414	43.2	178	5.0	117	36.5	43	1.7	531	221	3.7
65+ years		1,993	22.1	422	11.9	1,889	14.6	276	11.2	3,882	698	11.6
Other forms of heart disease	I01-I09, I27, I30-I52	820	26.5	220	6.2	1,031	19.4	200	8.1	1,851	420	7.0
Cerebrovascular diseases:	I60-I69											
35-64 years		105	44.8	47	1.3	62	49.3	29	1.2	167	76	1.3
65+ years		813	23.4	191	5.4	1,291	4.8	62	2.5	2,104	253	4.2
Atherosclerosis	I70	261	55.5	146	4.1	194	31.7	60	2.4	455	206	3.4
Aortic aneurysm	I71	128	55.5	73	2.1	90	31.7	29	1.2	218	102	1.7
Other arterial diseases	I26, I28, I72-I78	94	55.5	53	1.5	105	31.7	35	1.4	199	88	1.5
SUBTOTAL		**4,755**		**1,361**	**38.3**	**4,984**		**768**	**31.1**	**9,739**	**2,129**	**35.3**
Respiratory System Diseases												
Pneumonia/influenza	J10-J181, J188, J189	543	32.7	178	5.0	694	26.3	183	7.4	1,237	361	6.0
Bronchitis, emphysema	J40-J43	62	84.7	52	1.5	57	79.2	46	1.9	119	98	1.6
Chronic obstructive pulmonary disease	J44	570	84.7	484	13.6	538	79.2	427	17.3	1,108	911	15.1
Other respiratory diseases	A15-A19, J45-J46	25	32.7	8	0.2	35	26.3	9	0.4	60	17	0.3
SUBTOTAL		**1,200**		**722**	**20.3**	**1,324**		**665**	**26.9**	**2,524**	**1,387**	**23.0**
TOTAL		**7,954**		**3,558**	**100.0**	**7,977**		**2,469**	**100.0**	**15,931**	**6,027**	**100.0**

Note: Deaths are the total number of deaths aged 35+ years or as specified in the diagnostic category.
SAM - Smoking-Attributable Mortality, derived by multiplying the SAM(%) by the number of deaths in each category.
See glossary under Smoking-Attributable Mortality Percent for a definition of the formula for SAM(%).
Total SAM Number may not add up to the sum of Male SAM Number and Female SAM Number due to rounding.
Non-residents are excluded.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 45

SMOKING-ATTRIBUTABLE MORTALITY BY SELECTED CAUSES AND GENDER

BRITISH COLUMBIA, 2004



Note: Ischemic heart disease includes 35-64 years and 65+ years.
Cerebrovascular disease includes 35-64 years and 65+ years.

HIGHLIGHTS TO TABLE 42/FIGURE 45

- In 2004, there were 6,027 deaths that were attributed to smoking. Smoking-attributable mortality (SAM) is based on estimates of the relative exposure risk of the adult population (age 35 or older). A detailed definition of this term is provided in the Glossary. Table 42 presents, for each specific cause of death, the total number of deaths by gender, the proportion of these deaths which are attributed to smoking (labelled SAM%), and the number of SAM deaths.
- Smoking-attributable mortality can be grouped into deaths from malignant neoplasms (cancer), circulatory system diseases, and respiratory system diseases. Out of 100 smoking-attributable deaths in 2004; approximately:

  - 42 were from malignant neoplasms (2,511)
  - 35 were from circulatory system diseases (2,129)
  - 23 were from respiratory system diseases (1,387)

- By specific causes of death, malignant neoplasm of trachea and lung (lung cancer) was the major contributor (1,822 deaths) to smoking-attributable mortality in 2004, followed by ischemic heart disease (919) and chronic obstructive pulmonary disease (911). Together these three causes of death accounted for 3,652 deaths or 60.6% of smoking attributable mortality in the province in 2004.
- Three in five smoking-attributable deaths (59.0%) were males (3,558 deaths).

Vital Statistics Information Box

DEATHS AGED 100+ BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 1986-2004

HSDA		1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total	%
11	East Kootenay	3	2	1	2	2	3	2	2	2	1	6	2	3	4	3	-	1	5	2	46	1.2
12	Kootenay Boundary	2	1	3	2	7	5	2	7	2	4	3	3	6	2	3	1	4	4	7	68	1.8
13	Okanagan	9	12	17	12	7	18	16	18	16	19	20	21	13	14	18	30	27	23	21	331	8.9
14	Thompson Cariboo Shuswap	5	4	4	3	10	7	3	7	6	7	5	6	14	7	6	5	15	7	3	124	3.3
21	Fraser East	11	10	7	6	6	10	10	9	14	11	15	12	12	11	17	18	13	9	19	220	5.9
22	Fraser North	14	28	14	29	27	18	22	24	29	16	18	25	15	20	26	24	27	17	23	416	11.2
23	Fraser South	14	25	11	13	19	12	18	18	24	24	9	16	25	29	30	14	15	19	36	371	10.0
31	Richmond	4	2	2	5	3	10	5	6	5	-	3	6	5	6	4	10	4	6	8	94	2.5
32	Vancouver	31	50	44	24	51	29	38	41	36	40	51	38	42	36	42	43	43	47	29	755	20.3
33	North Shore/ Coast Garibaldi	9	10	19	12	16	14	14	11	12	11	16	5	10	17	19	17	23	15	14	264	7.1
41	S. Vancouver Island	26	40	37	35	28	38	38	41	50	42	39	35	46	28	38	27	32	28	47	695	18.7
42	C. Vancouver Island	8	7	7	9	11	5	13	7	15	9	8	8	9	9	12	8	10	15	18	188	5.1
43	N. Vancouver Island	-	2	4	1	4	2	7	1	2	4	7	1	5	2	1	2	4	5	4	58	1.6
51	Northwest	-	1	1	1	2	-	-	1	3	-	2	1	3	1	5	3	1	2	4	31	0.8
52	Northern Interior	-	2	-	2	1	3	2	1	1	2	3	2	3	4	1	2	2	3	1	35	0.9
53	Northeast	1	1	-	-	3	1	1	-	1	2	1	-	3	-	2	3	-	2	-	21	0.6
	PROVINCIAL TOTAL	**137**	**197**	**171**	**156**	**197**	**175**	**191**	**194**	**218**	**192**	**206**	**181**	**214**	**190**	**227**	**207**	**221**	**207**	**236**	**3,717**	**100.0**

Note: Health Service Delivery Area based on the usual residence of the deceased.

Vital Statistics Information Box

AGE AT DEATH OF THE OLDEST MALE AND FEMALE

BRITISH COLUMBIA, 1986-2004

Gender	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Male	105	107	111	110	113	105	111	111	109	108	108	106	109	108	109	104	104	107	106
Female	110	107	110	110	110	113	107	110	110	108	109	111	113	108	111	113	111	107	108

Note: Revised methodology identified all records aged 100 years old or more.

TABLE 43

DRUG-INDUCED DEATHS BY AGE AND GENDER

BRITISH COLUMBIA, 2004

Age	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
<15	1	0.5	2	2.0	3	1.0
15-19	2	1.0	2	2.0	4	1.3
20-24	9	4.3	4	3.9	13	4.2
25-44	91	44.0	42	41.2	133	43.0
45-64	97	46.9	39	38.2	136	44.0
65-84	6	2.9	11	10.8	17	5.5
85+	1	0.5	2	2.0	3	1.0
TOTAL	**207**	**100.0**	**102**	**100.0**	**309**	**100.0**

Note: Excludes tobacco and alcohol.
Drug-induced deaths – see Table 44 for ICD-10 codes and Glossary for more details.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.

HIGHLIGHTS TO TABLE 43

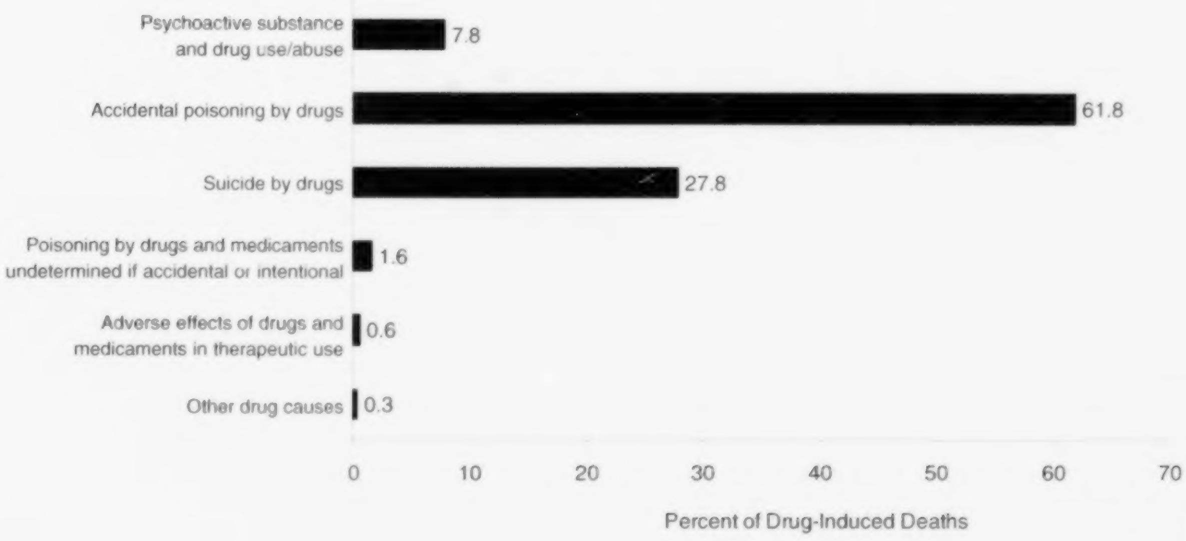
- There were 309 deaths to B.C. residents from drug-induced causes in 2004. This grouping of underlying causes of death includes accidental drug poisonings, suicides involving drugs, and adverse effects of drugs.
- Two thirds (67.0%) of drug-induced deaths in 2004 were males: 207 males compared to 102 females.
- Drug-induced deaths occurred in every age group, but more than four tenths were aged 45-64 (44.0%) or 25-44 (43.0%).

TABLE 44
DRUG-INDUCED DEATHS BY CAUSE
BRITISH COLUMBIA, 1999–2003 AND 2004

		Year of Death			
		1999–2003		2004	
Cause of Death	ICD-10 Code(s)	Number	Percent	Number	Percent
Psychoactive substance and drug use/abuse	F11-F16, F19	88	4.1	24	7.8
Accidental poisoning by drugs	X40-X44	1,448	67.4	191	61.8
Suicide by drugs	X60-X64	489	22.8	86	27.8
Assault by drugs and medicaments	X85	2	0.1	-	-
Poisoning by drugs and medicaments undetermined if accidental or intentional	Y10-Y14	80	3.7	5	1.6
Adverse effects of drugs and medicaments in therapeutic use	Y40-Y574, Y577-Y579, Y598, Y880	40	1.9	2	0.6
Other drug causes *		-	-	1	0.3
TOTAL		**2,147**	**100.0**	**309**	**100.0**

Note: Excludes tobacco and alcohol. Total percentage may not add to 100 due to rounding. Non-residents are excluded.
*ICD-10 codes D521, D590, D592, D611, D642, E032, E064, E231, E242, E273, F55, F551, G210, G211, G240, G251, G254, G256, G444, G620, G720, H263, I427, I952, J702, J703, J704, L105, L233, L244, L251, L270, L271, L432, L560, L561, L640, M022, M102, M320, M804, M814, M835, M871, N140, N141, N142, O355, P040, P041, P044, P584, P961, P962, R781, R782, R783, R784, R785, R786, R825.

FIGURE 46
DRUG-INDUCED DEATHS BY CAUSE
BRITISH COLUMBIA, 2004



HIGHLIGHTS TO TABLE 44/FIGURE 46

- There were 309 deaths to B.C. residents from drug-induced causes in 2004 and 2,147 in 1999-2003.
- Three fifths (61.8%) of the drug-induced deaths in 2004 and two thirds (67.4%) in 1999-2003 were the result of accidental poisoning by drugs (191 and 1,448 deaths, respectively).
- About a quarter (27.8%) of the drug-induced deaths in 2004 and a fifth (22.8%) in 1999-2003 were the result of suicide by drugs (86 deaths in 2004 and 489 in 1999-2003).
- Of the 436 suicide deaths in B.C. in 2004 (presented in Table 30), 86 suicides, or nearly one fifth (19.7%), were drug-induced.

Table 45

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA DRUG-INDUCED DEATHS,
BRITISH COLUMBIA, 1999–2003AND 2004

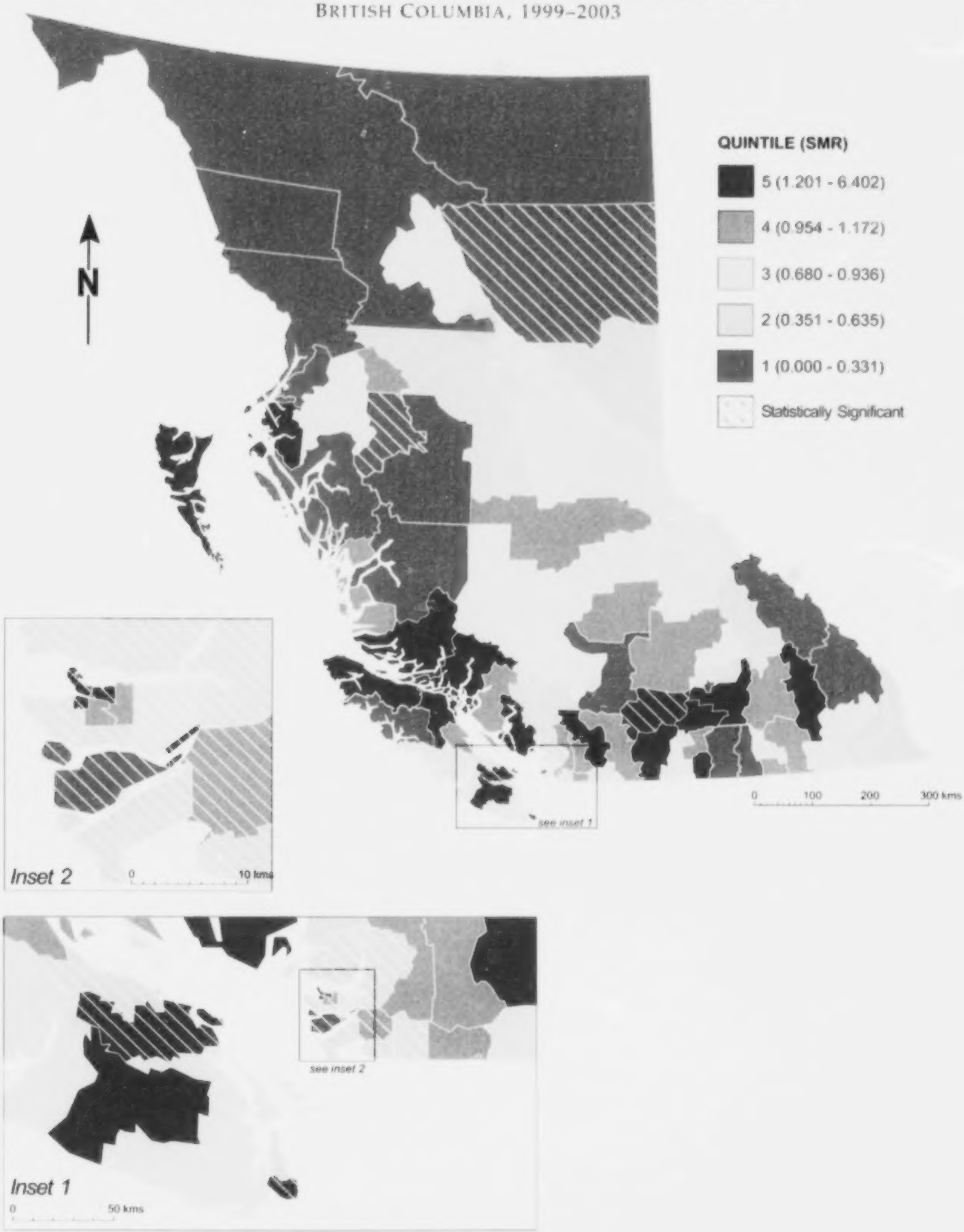
		1999–2003			2004				95% Confidence Interval		
	Local Health Area	Observed Deaths	SMR	(p)	Observed Deaths	Expected Deaths	SMR	(p)	Lower		Upper
001	Fernie	4	0.48		-	1.21	-		-	-	-
002	Cranbrook	7	0.54		1	1.86	0.54		0.01	-	2.99
003	Kimberley	4	0.88		-	0.68	-		-	-	-
004	Windermere	1	0.21		-	0.73	-		-	-	-
005	Creston	4	0.69		1	0.83	1.21		0.02	-	6.74
006	Kootenay Lake	5	2.76		-	0.26	-		-	-	-
007	Nelson	15	1.17		1	1.83	0.55		0.01	-	3.05
009	Castlegar	6	0.86		1	0.99	1.01		0.01	-	5.64
010	Arrow Lakes	3	1.16		2	0.37	5.47		0.61	-	19.75
011	Trail	10	0.95		-	1.47	-		-	-	-
012	Grand Forks	1	0.22		-	0.64	-		-	-	-
013	Kettle Valley	-	-		-	0.26	-		-	-	-
014	Southern Okanagan	11	1.29		-	1.26	-		-	-	-
015	Penticton	22	1.13		5	2.79	1.79		0.58	-	4.18
016	Keremeos	2	0.85		-	0.34	-		-	-	-
017	Princeton	3	1.24		-	0.35	-		-	-	-
018	Golden	-	-		-	0.60	-		-	-	-
019	Revelstoke	2	0.45		1	0.63	1.59		0.02	-	8.83
020	Salmon Arm	13	0.84		3	2.29	1.31		0.26	-	3.83
021	Armstrong - Spallumcheen	-	-		-	0.71	-		-	-	-
022	Vernon	40	1.36		6	4.22	1.42		0.52	-	3.09
023	Central Okanagan	95	1.22		11	11.48	0.96		0.48	-	1.71
024	Kamloops	62	1.17		10	7.53	1.33		0.64	-	2.44
025	100 Mile House	8	1.09		3	1.06	2.84		0.57	-	8.30
026	North Thompson	2	0.77		-	0.39	-		-	-	-
027	Cariboo - Chilcotin	10	0.68		2	2.10	0.95		0.11	-	3.44
028	Quesnel	14	1.08		1	1.84	0.54		0.01	-	3.03
029	Lillooet	2	0.86		-	0.33	-		-	-	-
030	South Cariboo	1	0.26		-	0.56	-		-	-	-
031	Merritt	12	2.14	*	-	0.80	-		-	-	-
032	Hope	4	0.96		2	0.61	3.25		0.37	-	11.74
033	Chilliwack	33	0.94		3	5.18	0.58		0.12	-	1.69
034	Abbotsford	62	1.04		5	8.72	0.57		0.18	-	1.34
035	Langley	38	0.63	*	5	8.63	0.58		0.19	-	1.35
037	Delta	30	0.57	*	6	7.33	0.82		0.30	-	1.78
038	Richmond	27	0.29	*	2	13.16	0.15	+	0.02	-	0.55
040	New Westminster	68	2.03	*	7	4.77	1.47		0.59	-	3.02
041	Burnaby	75	0.68	*	9	15.58	0.58		0.26	-	1.10
042	Maple Ridge	46	1.07		6	6.39	0.94		0.34	-	2.04
043	Coquitlam	62	0.57	*	15	15.75	0.95		0.53	-	1.57
044	North Vancouver	35	0.48	*	10	10.29	0.97		0.47	-	1.79
045	West Vancouver-Bowen Is.	11	0.45	*	-	3.62	-		-	-	-
046	Sunshine Coast	16	1.20		3	1.95	1.54		0.31	-	4.49
047	Powell River	10	0.97		1	1.48	0.68		0.01	-	3.76
048	Howe Sound	10	0.58		1	2.51	0.40		0.01	-	2.22
049	Bella Coola Valley	-	-		1	0.23	4.27		0.06	-	23.74
050	Queen Charlotte	4	1.35		1	0.43	2.35		0.03	-	13.05
051	Snow Country	-	-		-	0.06	-		-	-	-
052	Prince Rupert	13	1.49		1	1.20	0.83		0.01	-	4.62
053	Upper Skeena	3	1.05		-	0.40	-		-	-	-
054	Smithers	3	0.33	+	1	1.30	0.77		0.01	-	4.28
055	Burns Lake	-	-		-	0.55	-		-	-	-
056	Nechako	3	0.35		-	1.23	-		-	-	-
057	Prince George	47	0.89		10	7.51	1.33		0.64	-	2.45
059	Peace River South	8	0.58		1	1.95	0.51		0.01	-	2.85
060	Peace River North	3	0.19	+	2	2.24	0.89		0.10	-	3.22
061	Greater Victoria	201	1.80	*	21	15.75	1.33		0.83	-	2.04
062	Sooke	20	0.69		-	4.27	-		-	-	-
063	Saanich	19	0.62	*	4	4.44	0.90		0.24	-	2.31
064	Gulf Islands	5	0.73		2	1.03	1.94		0.22	-	7.01
065	Cowichan	18	0.69		4	3.76	1.06		0.29	-	2.72
066	Lake Cowichan	4	1.28		-	0.46	-		-	-	-
067	Ladysmith	6	0.75		-	1.19	-		-	-	-
068	Nanaimo	62	1.31	*	4	6.86	0.58		0.16	-	1.49
069	Qualicum	8	0.42	*	1	2.87	0.35		0.00	-	1.94
070	Alberni	15	0.93		5	2.32	2.16		0.70	-	5.04
071	Courtenay	29	0.99		3	4.26	0.70		0.14	-	2.06
072	Campbell River	29	1.40		-	2.94	-		-	-	-
075	Mission	21	1.10		3	2.78	1.08		0.22	-	3.15
076	Agassiz - Harrison	6	1.39		-	0.65	-		-	-	-
077	Summerland	2	0.36		-	0.84	-		-	-	-
078	Enderby	2	0.56		-	0.52	-		-	-	-
080	Kitimat	2	0.33		1	0.83	1.20		0.02	-	6.70
081	Fort Nelson	-	-		1	0.49	2.06		0.03	-	11.46
083	Central Coast	1	1.13		-	0.12	-		-	-	-
084	Vancouver Island West	-	-		-	0.19	-		-	-	-
085	Vancouver Island North	9	1.21		-	1.04	-		-	-	-
087	Stikine	-	-		-	0.09	-		-	-	-
088	Terrace	8	0.71		1	1.57	0.64		0.01	-	3.53
092	Nisgaia	-	-		-	0.12	-		-	-	-
094	Telegraph Creek	-	-		-	0.04	-		-	-	-
161	Vancouver - City Centre	108	1.69	*	22	9.34	2.35	*	1.48	-	3.56
162	Van. - Downtown E.side	208	6.40	*	32	4.57	7.00	*	4.79	-	9.88
163	Vancouver - North East	53	1.01		7	7.43	0.94		0.38	-	1.94
164	Vancouver - Westside	34	0.51	*	7	9.37	0.75		0.30	-	1.54
165	Vancouver - Midtown	58	1.16		4	7.01	0.57		0.15	-	1.46
166	Vancouver - South	38	0.57	*	10	9.43	1.06		0.51	-	1.95
201	Surrey	187	1.16	*	33	23.43	1.41		0.97	-	1.98
202	South Surrey/White Rock	21	0.57	*	4	5.53	0.72		0.19	-	1.85
	PROVINCIAL TOTAL	**2,147**	**1.00**		**309**	**309.00**	**1.00**		**0.89**	-	**1.12**

Note: *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). +Denotes significance based on less than five deaths. SMR - Standardized Mortality Ratio. Non-residents are excluded.

FIGURE 47

DRUG-INDUCED DEATHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 1999–2003


N
QUINTILE (SMR)
5 (1.201 - 6.402)
4 (0.954 - 1.172)
3 (0.680 - 0.936)
2 (0.351 - 0.635)
1 (0.000 - 0.331)
Statistically Significant
0
100
200
300 kms
see inset 1
Inset 2
0
10 kms
see inset 2
Inset 1
0
50 kms

Note: SMR - Standardized Mortality Ratio. Refer to Figure 1 to clarify geographical location of Local Health Areas.

HIGHLIGHTS TO TABLE 45/FIGURE 47

- In 2004, there were two Local Health Areas (LHAs) with statistically significant and high Standardized Mortality Ratios (SMR) for drug-induced deaths (number of drug-induced deaths in parentheses):

162	Vancouver - Downtown E.side	(32)	7.00
161	Vancouver - City Centre	(22)	2.35

- The LHAs above also had statistically significant and high SMRs in 1999-2003.
- The only LHA with a statistically significant and low SMR for drug-induced deaths in 2004 was 038 Richmond with 0.15, but this ratio is not considered reliable since it is based on only two deaths. Richmond also had a statistically significant low SMR in 1999-2003.
- There were 34 LHAs with no drug-induced deaths in 2004.
- There were seven LHAs with statistically significant and high SMRs in the 1999-2003 period (number of deaths in parentheses):

162	Vancouver - Downtown E.side	(208)	6.40
031	Merritt	(12)	2.14
040	New Westminster	(68)	2.03
061	Greater Victoria	(201)	1.80
161	Vancouver - City Centre	(108)	1.69
068	Nanaimo	(62)	1.31
201	Surrey	(187)	1.16

- In the 1999-2003 period, the LHAs with the lowest and third lowest statistically significant SMRs for drug-induced deaths were 060 Peace River North (with a ratio of 0.19) and 054 Smithers(0.33), but these ratios are not considered reliable since each is based on only three deaths. There were 12 LHAs with statistically significant and low SMRs based on five or more drug-induced deaths; the five lowest SMRs (number of drug-induced deaths in parentheses) were:

038	Richmond	(27)	0.29
069	Qualicum	(8)	0.42
045	West Vancouver - Bowen Is.	(11)	0.45
044	North Vancouver	(35)	0.48
164	Vancouver - Westside	(34)	0.51

- Eleven LHAs had no drug-induced deaths in 1999-2003.

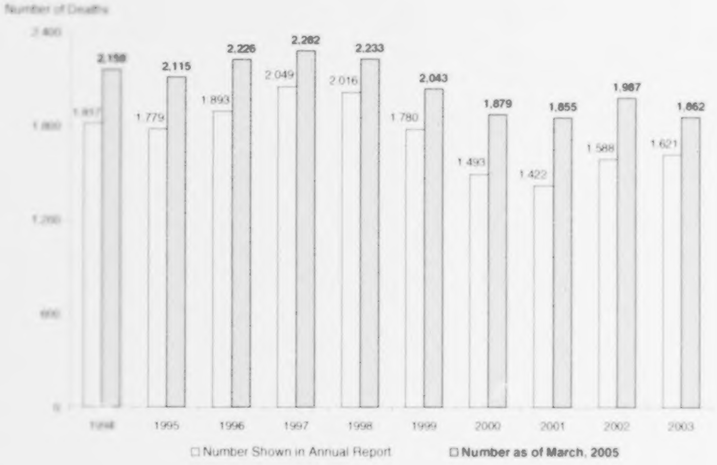
Vital Statistics Information Box

UPDATED EXTERNAL CAUSES OF DEATH

Vital Statistics Annual Reports for specific years are based on data from the spring of the following calendar year. Current year counts and rates for deaths due to external causes underestimate the actual figures due to known delays in determining causes of death. Analysis of external causes of death will be incomplete unless the analysis is based on updated data for previous years. The graphs that follow show numbers of deaths and Age Standardized Mortality Rates (ASMRs) for 1994-2003 as of March 2005.

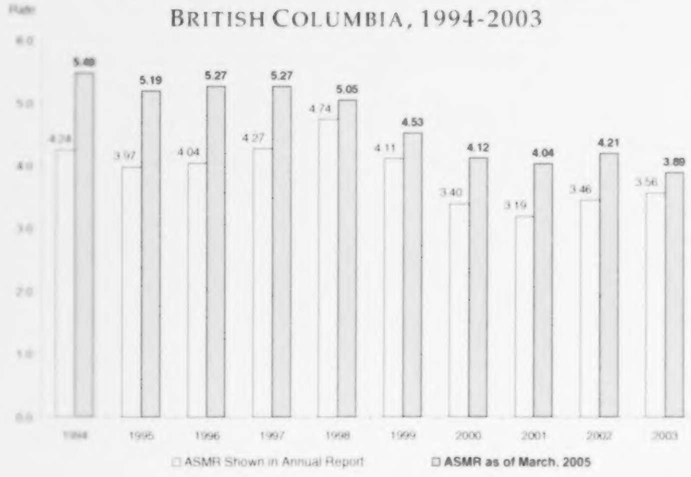
DEATHS DUE TO ALL EXTERNAL CAUSES

BRITISH COLUMBIA, 1994-2003



ASMRS FOR EXTERNAL CAUSES OF DEATH

BRITISH COLUMBIA, 1994-2003



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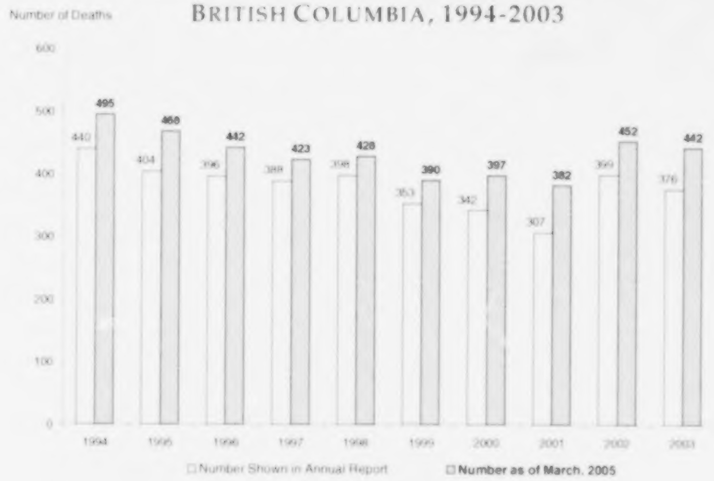
Vital Statistics Information Box

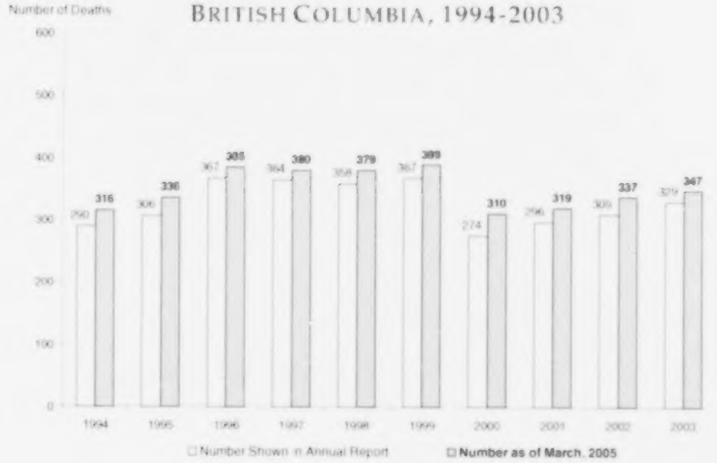
DEATHS DUE TO MOTOR VEHICLE ACCIDENTS

BRITISH COLUMBIA, 1994-2003



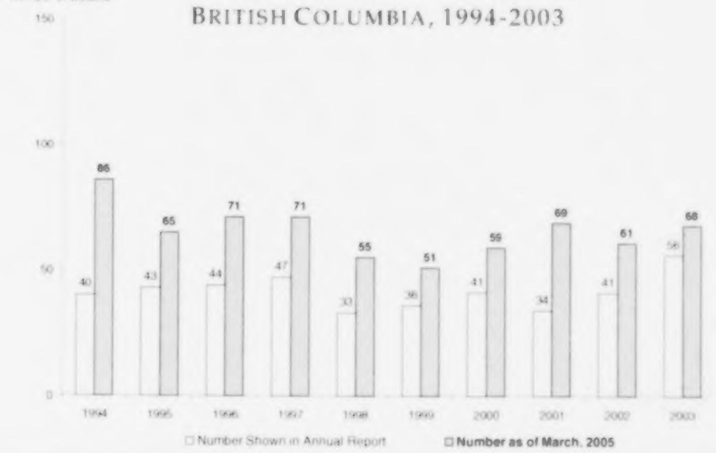
DEATHS DUE TO ACCIDENTAL FALLS

BRITISH COLUMBIA, 1994-2003



DEATHS DUE TO DROWNING

BRITISH COLUMBIA, 1994-2003



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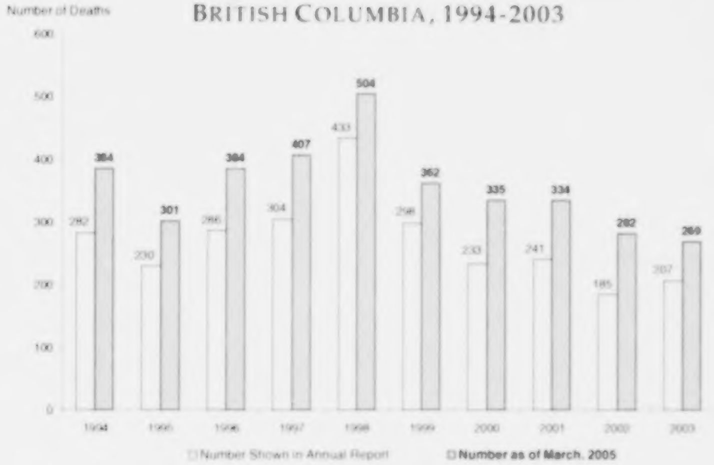
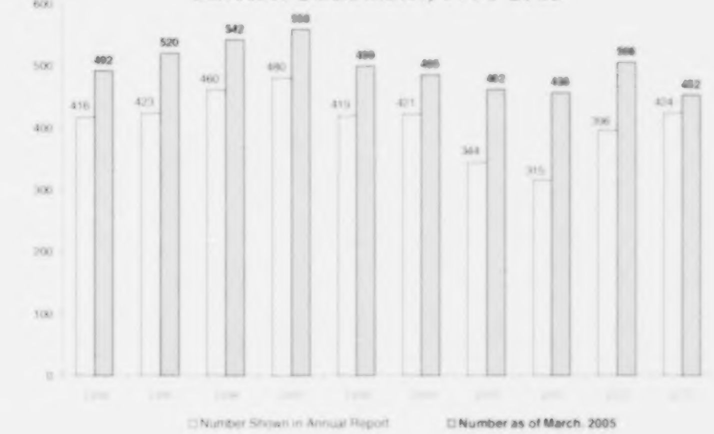
Vital Statistics Information Box

DEATHS DUE TO POISONING
BRITISH COLUMBIA, 1994-2003



DEATHS DUE TO SUICIDE
BRITISH COLUMBIA, 1994-2003



DEATHS DUE TO ASSUALT (HOMICIDE)
BRITISH COLUMBIA, 1994-2003

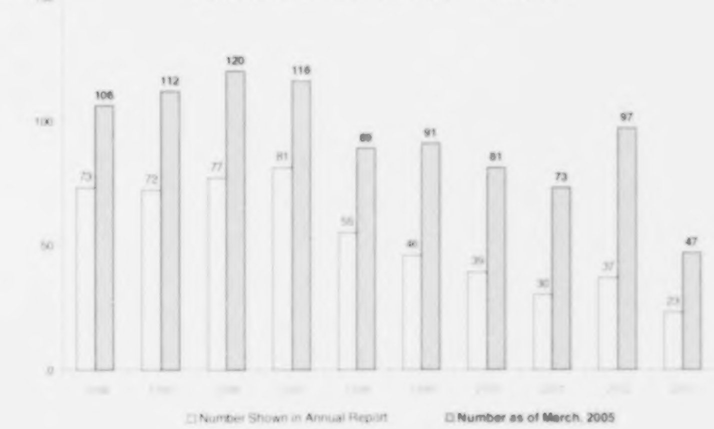


TABLE 46
METHOD OF DISPOSITION OF DECEDENT
BRITISH COLUMBIA, 1986–2004

Year	Burial		Cremation		Other	N.S.	Total
	Number	Percent	Number	Percent			
1986	8,204	28.2	12,686	43.5	98	19	21,007
1987	8,211	28.2	13,279	45.6	104	25	21,619
1988	8,319	28.6	13,926	47.8	96	16	22,357
1989	8,061	27.7	14,616	50.2	81	28	22,786
1990	8,208	28.2	15,088	51.8	91	28	23,415
1991	8,035	27.6	15,675	53.8	75	34	23,819
1992	7,818	26.8	16,512	56.7	97	36	24,463
1993	7,987	27.4	17,214	59.1	150	251	25,602
1994	7,710	26.5	17,888	61.4	177	55	25,830
1995	7,616	26.1	18,361	63.0	184	63	26,224
1996	7,639	26.2	19,546	67.1	193	12	27,390
1997	7,358	25.3	19,649	67.4	205	46	27,258
1998	7,197	24.7	20,375	69.9	225	9	27,806
1999	7,060	24.2	20,609	70.7	195	-	27,864
2000	6,453	22.1	20,674	71.0	186	1	27,314
2001	6,682	22.9	21,326	73.2	223	1	28,232
2002	6,539	22.4	21,978	75.4	189	3	28,709
2003	6,603	22.7	22,351	76.7	184	-	29,138
2004	6,362	21.5	23,109	77.9	181	-	29,652

Note: Percent is based on total deaths in the specified year.
Other includes remains not recovered and donations as per will of deceased.
N.S. = Not stated.
Non-residents are excluded.

HIGHLIGHTS TO TABLE 46

- In 2004, out of every 100 deaths approximately:
  - 78 resulted in cremations (23,109)
  - 22 involved burials (6,362).
- The percentage of cremations has shown an increasing trend since 1986.

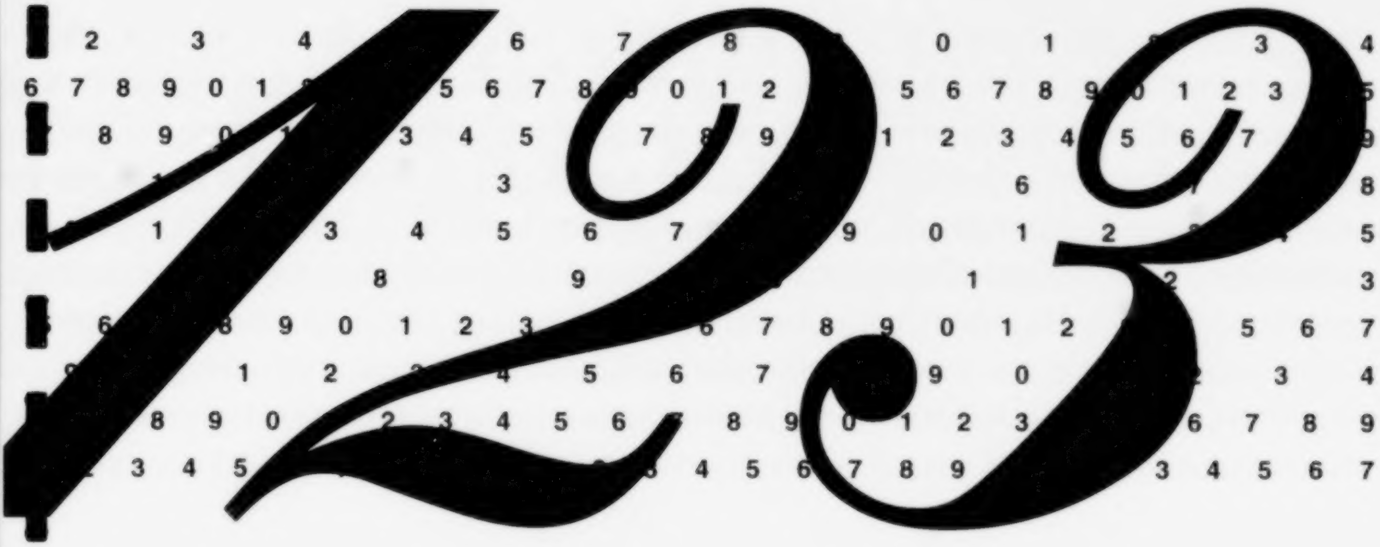
Vital Statistics Information Box

METHOD OF DISPOSITION BY DECEDENT'S LOCAL HEALTH AREA OF RESIDENCE

BRITISH COLUMBIA, 2004

Local Health Area		Burial		Cremation		Other	Total
		Number	Percent	Number	Percent		
001	Fernie	15	19.2	63	80.8	-	78
002	Cranbrook	38	17.8	174	81.3	2	214
003	Kimberley	7	10.3	61	89.7	-	68
004	Windermere	9	19.6	37	80.4	-	46
005	Creston	36	29.5	86	70.5	-	122
006	Kootenay Lake	-	-	19	100.0	-	19
007	Nelson	42	21.0	156	78.0	2	200
009	Castlegar	43	37.4	72	62.6	-	115
010	Arrow Lakes	5	11.6	38	88.4	-	43
011	Trail	37	16.4	184	81.4	5	226
012	Grand Forks	38	38.4	61	61.6	-	99
013	Kettle Valley	1	5.9	15	88.2	1	17
014	Southern Okanagan	49	19.3	205	80.7	-	254
015	Penticton	76	14.9	433	85.1	-	509
016	Keremeos	10	15.4	54	83.1	1	65
017	Princeton	4	8.5	43	91.5	-	47
018	Golden	10	32.3	21	67.7	-	31
019	Revelstoke	15	23.4	49	76.6	-	64
020	Salmon Arm	39	11.9	288	88.1	-	327
021	Armstrong-Spallumcheen	18	27.7	47	72.3	-	65
022	Vernon	145	24.3	451	75.5	1	597
023	Central Okanagan	307	21.3	1,129	78.5	2	1,438
024	Kamloops	129	16.0	665	82.4	13	807
025	100 Mile House	16	13.9	99	86.1	-	115
026	North Thompson	3	8.6	32	91.4	-	35
027	Cariboo-Chilcotin	48	28.4	121	71.6	-	169
028	Quesnel	25	16.4	127	83.6	-	152
029	Lillooet	12	28.6	30	71.4	-	42
030	South Cariboo	21	27.6	55	72.4	-	76
031	Merritt	21	19.1	89	80.9	-	110
032	Hope	24	24.5	74	75.5	-	98
033	Chilliwack	141	22.1	498	77.9	-	639
034	Abbotsford	298	31.9	632	67.7	3	933
035	Langley	153	18.5	675	81.5	-	828
037	Delta	122	19.2	515	80.8	-	637
038	Richmond	227	25.8	651	74.1	1	879
040	New Westminster	110	21.5	399	77.9	3	512
041	Burnaby	350	26.3	958	71.9	25	1,333
042	Maple Ridge	78	15.8	415	84.2	-	493
043	Coquitlam	180	19.4	737	79.4	11	928
044	North Vancouver	105	13.4	675	86.2	3	783
045	West Vancouver-Bowen Is	77	15.9	405	83.9	1	483
046	Sunshine Coast	31	11.2	246	88.8	-	277
047	Powell River	32	16.9	155	82.0	2	189
048	Howe Sound	20	19.6	82	80.4	-	102
049	Bella Coola Valley	6	50.0	6	50.0	-	12
050	Queen Charlotte	16	59.3	11	40.7	-	27
051	Snow Country	1	25.0	3	75.0	-	4
052	Prince Rupert	46	50.0	46	50.0	-	92
053	Upper Skeena	11	50.0	10	45.5	1	22
054	Smithers	20	26.7	55	73.3	-	75
055	Burns Lake/Eutsuk	26	50.0	26	50.0	-	52
056	Nechako	40	45.5	48	54.5	-	88
057	Prince George	138	25.1	409	74.5	2	549
059	Peace River South	53	34.0	103	66.0	-	156
060	Peace River North	50	37.3	84	62.7	-	134
061	Greater Victoria	317	14.8	1,819	85.0	5	2,141
062	Sooke	43	13.6	274	86.4	-	317
063	Saanich	76	12.3	540	87.7	-	616
064	Gulf Islands	12	8.3	131	91.0	1	144
065	Cowichan	68	14.3	405	85.4	1	474
066	Lake Cowichan	-	-	47	100.0	-	47
067	Ladysmith	38	20.0	152	80.0	-	190
068	Nanaimo	100	11.8	750	88.2	-	850
069	Qualicum	38	8.7	400	91.1	1	439
070	Alberni	66	21.6	238	78.0	1	305
071	Courtenay	38	7.6	462	92.2	1	501
072	Campbell River	30	12.1	216	87.4	1	247
075	Mission	35	15.8	187	84.2	-	222
076	Agassiz-Harrison	12	22.2	42	77.8	-	54
077	Summerland	24	16.4	122	83.6	-	146
078	Enderby	11	13.6	70	86.4	-	81
080	Kitimat	15	28.8	36	69.2	1	52
081	Fort Nelson	4	40.0	6	60.0	-	10
083	Central Coast	9	100.0	-	-	-	9
084	Vancouver Island West	2	20.0	8	80.0	-	10
085	Vancouver Island North	15	25.9	43	74.1	-	58
087	Stikine	3	60.0	2	40.0	-	5
088	Terrace	32	32.0	68	68.0	-	100
092	Nisgaia	8	88.9	1	11.1	-	9
094	Telegraph Creek	2	100.0	-	-	-	2
161	Vancouver - City Centre	146	22.2	503	76.4	9	658
162	Vancouver - Downtown E side	216	41.6	293	56.5	10	519
163	Vancouver - North East	230	39.9	310	53.7	37	577
164	Vancouver - Westside	203	28.8	500	70.9	2	705
165	Vancouver - Midtown	182	37.0	300	61.0	10	492
166	Vancouver - South	312	39.0	471	58.9	16	799
201	Surrey	353	23.1	1,171	76.7	3	1,527
202	South Surrey/White Rock	143	16.6	716	83.1	3	862
	PROVINCIAL TOTAL	**6,362**	**21.5**	**23,109**	**77.9**	**181**	**29,652**

Marriage-related Statistics



Vital Statistics Information Box

MARRIAGES BY OTHER NON CHRISTIAN DENOMINATIONS

BRITISH COLUMBIA, 2004

Table 49, Religious Representatives on Register and Marriages Performed by Religious Denomination, uses religious denomination categories from Statistics Canada. In 2004, a total of 1,022 marriages in British Columbia were solemnized by Other Non Christian Relgion representatives. The table below provides additional details about these marriages.

Religious Denomination	Number of Religious Representatives	Number Who Performed Marriages	Number of Marriages Performed
Baha'i	226	26	36
Buddhist	34	10	19
Hindu	47	19	70
Muslim	107	23	157
Sikh	210	48	523
Spiritualist	90	18	204
Wiccan	12	3	6
Other*	54	7	7
Total Other Non Christian Religions	**780**	**154**	**1,022**

Note: *Other consists of religious denominations where the representatives performed less than 5 marriages in 2004: Eckankar, Konko-Kyo, Scientology, and Zoroastrian.

Summary

Statistics arising from marriages are presented in this section. Unlike the birth and death statistics, which are based on usual residence, the marriage information is based on all marriages that occurred in British Columbia and includes non-residents. The tables in this section contain information about marriages by previous marital status, age of bride and groom, and type of ceremony.

Summary statistics for marriages in 2004 are presented below:

- A total of 22,073 marriages were solemnized in the province in 2004.
- In 2004, 62.3% of couples were marrying for the first time (13,746). In 19.7% of the marriages it was the first marriage for only one of the parties (4,359), and 18.0% involved couples where both partners were previously divorced or widowed (3,967).
- In 2004 there were 441 marriages where at least one party was under 20 years of age. These teen marriages accounted for one out of 50 marriages (2.0%). There were only 56 marriages (0.3%) where both parties were teenagers.
- There were 1,147 marriages in 2004 where at least one party was 60 years of age or older. These marriages accounted for one in 20 marriages (5.2%). There were 463 marriages (2.1%) where both parties were aged 60 or older.
- In 2004 almost two fifths (39.2%) of the marriages were performed by religious representatives (8,646) and three fifths (60.8%) were civil ceremonies (13,427).
- In B.C. in 2004 there were 21,009 marriages involving parties of the opposite sex and 1,064 marriages involving parties of the same sex.

TABLE 47

MARRIAGES BY MARITAL STATUS

BRITISH COLUMBIA, 2004

	Single	Widowed	Divorced	N.S.
Single	13,746			
Widowed	192	251		
Divorced	4,167	615	3,101	
N.S.	-	-	1	-

Note: N.S. - Not stated.

HIGHLIGHTS TO TABLE 47

- A total of 22,073 marriages were solemnized in the province in 2004.
- In 2004, 62.3% of couples were marrying for the first time (13,746). In 19.7% of the marriages it was the first marriage for only one of the parties (4,359), and 18.0% involved couples where both partners were previously divorced or widowed (3,967).

TABLE 48

MARRIAGES BY AGE

BRITISH COLUMBIA, 2004

Age (in Years)	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–59	60+	N.S.
15-19	56									
20-24	302	1,719								
25-29	65	2,052	2,863							
30-34	12	457	2,447	1,743						
35-39	5	126	642	1,527	774					
40-44	1	44	199	525	809	538				
45-49	-	14	54	152	362	605	353			
50-59	-	15	23	75	196	379	656	779		
60+	-	-	4	7	23	58	117	475	463	
N.S.	-	-	2	-	2	-	2	-	1	350

Note: N.S. – Not stated.
Total percentage may not add up to 100 due to rounding.

HIGHLIGHTS TO TABLE 48

- In 2004 there were 441 marriages where at least one party was under 20 years of age. These teen marriages accounted for one out of 50 marriages (2.0%). There were only 56 marriages (0.3%) where both parties were teenagers.
- There were 15,146 marriages where at least one party was 25-39 years old. These marriages accounted for more than two-thirds (68.6%) of all marriages in 2004.
- There were 1,147 marriages in 2004 where at least one party was 60 years of age or older. These marriages accounted for one in 20 marriages (5.2%). There were 463 marriages (2.1%) where both parties were aged 60 or older.

TABLE 49

RELIGIOUS REPRESENTATIVES ON REGISTER AND MARRIAGES PERFORMED BY RELIGIOUS DENOMINATION

BRITISH COLUMBIA, 2004

Religious Denomination	Number of Religious Representatives	Number Who Performed Marriages	Number of Marriages Performed
Anglican	516	229	601
Baptist	667	327	769
Eastern Orthodox	51	20	86
Jewish	26	17	48
Lutheran	236	123	304
Mennonite / Hutterite	348	225	430
Pentecostal	773	294	788
Presbyterian	180	84	166
Catholic	458	244	1,144
Salvation Army	152	40	71
Jehovahs Witness	84	59	136
United Church	438	302	1,122
Other Christian Religions	2,063	884	1,937
Other Non Christian Religions	406	154	1,022
Unknown / Not Stated	13	5	22
Total	**6,411**	**3,007**	**8,646**

Note: Religious Denomination categories are from Statistics Canada. Individuals with temporary appointments are counted once for each appointment.

TABLE 50

MARRIAGE COMMISSIONERS ON REGISTER BY TYPE AND MARRIAGES PERFORMED

BRITISH COLUMBIA, 2004

Type of Commisioner	Number of Commissioners	Number Who Performed Marriages	Number of Marriages Performed
Private Commissioner*	503	471	13,426
Public Servant	13	1	1
Total	**516**	**472**	**13,427**

Note: Individuals with temporary appointments are counted once for each appointment.
* Includes 129 temporary appointments.

HIGHLIGHTS TO TABLE 49/TABLE 50

- In British Columbia, Religious Representatives or Marriage Commissioners perform marriage ceremonies. There were 3,007 Religious Representatives and 472 Marriage Commissioners who solemnized marriages in the province in 2004.
- In 2004 almost two fifths (39.2%) of the marriages were performed by religious representatives (8,646) and three fifths (60.8%) were civil ceremonies (13,427).

Vital Statistics Information Box

USUAL RESIDENCE OF PERSONS MARRIED IN BRITISH COLUMBIA IN 2004

OPPOSITE SEX MARRIAGES

Area	Province/State or Country	Males	Females
Canada	**Total**	**20,018**	**20,065**
	British Columbia	18,644	18,788
	Alberta	919	871
	Ontario	268	239
	Saskatchewan	66	57
	Manitoba	54	49
	Quebec	24	23
	Northwest Territories	15	13
	Yukon	12	12
	Nova Scotia	12	9
	New Brunswick	4	4
United States	**Total**	**676**	**608**
	Washington	213	181
	California	148	128
	Oregon	42	39
	New York	26	22
	Texas	23	24
	Florida	22	19
	Colorado	15	15
	Minnesota	11	15
	Illinois	11	13
	Arizona	12	11
	Georgia	14	9
	Pennsylvania	11	8
	Utah	8	9
	Virginia	8	8
	New Jersey	9	6
	Michigan	7	6
	Ohio	7	6
	Hawaii	6	6
	Wisconsin	7	5
	Other States	76	78
Mexico, Central & South America	**Total**	**8**	**14**
Europe	**Total**	**195**	**189**
	England	62	58
	Other United Kingdom	58	52
	Germany	38	38
	Sweden	8	7
	Netherlands	5	5
	Other Countries	24	29
Asia & Middle East	**Total**	**64**	**92**
	Japan	24	29
	Hong Kong	25	27
	Other	15	36
Africa		**3**	**1**
Oceania	**Total**	**41**	**36**
	Australia	37	33
	New Zealand	4	3
Unknown		**4**	**4**
TOTAL		**21,009**	**21,009**

Vital Statistics Information Box

USUAL RESIDENCE OF PERSONS MARRIED IN BRITISH COLUMBIA IN 2004

SAME SEX MARRIAGES

Area	Province/State or Country	Males	Females
Canada	**Total**	**453**	**610**
	British Columbia	386	528
	Alberta	45	59
	Ontario	4	11
	Saskatchewan	12	6
	Manitoba	6	2
	Yukon	-	4
United States	**Total**	**421**	**568**
	California	121	115
	Washington	67	154
	Texas	27	32
	Oregon	17	46
	Florida	25	13
	New Mexico	8	22
	Arizona	10	18
	Colorado	16	12
	Minnesota	9	10
	New York	9	10
	Illinois	10	8
	Georgia	6	11
	Utah	6	11
	Nevada	4	12
	Pennsylvania	8	7
	Alaska	2	11
	Ohio	4	9
	Hawaii	10	2
	North Carolina	8	4
	Virginia	8	2
	Wisconsin	2	8
	Kentucky	6	2
	Missouri	-	8
	District of Columbia	6	-
	Other States	32	41
Mexico, Central & South America	**Total**	**3**	-
Europe	**Total**	**5**	**14**
	England	-	8
	Other United Kingdom	5	6
Asia & Middle East	**Total**	**18**	**8**
	Hong Kong	6	2
	Japan	4	-
	Other Countries	8	6
Oceania	**Total**	**16**	**12**
	Australia	14	12
	Guam	2	-
TOTAL		**916**	**1,212**

Glossary

Terms, Methods, and Computational Examples

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)

(See **HIV Disease.**)

AGE-SPECIFIC FERTILITY RATE (ASFR)

The rate of live births per 1,000 women for the specific age group. This is a more detailed measure than the crude birth rate, as it reflects variations in the birth rate by age groups of the female population.

(See **Statistical Computation** under Fertility Rate for an example.)

AGE STANDARDIZATION

Age standardized is a method of calculation which adjusts a statistical measure for differences in the age/gender structures between populations. With standardized measures, more meaningful comparisons can be made between genders, different time periods, or geographic areas, because the age standardized statistic is calculated as if all populations had the same age/gender population distribution.

(See **Age Standardized Mortality Rate (ASMR), Standardized Mortality Ratio (SMR), Potential Years of Life Lost Standardized Rate (PYLLSR),** and **Potential Years of Life Lost Index (PYLLI)**; for an example, see **Statistical Computation.**)

AGE STANDARDIZED MORTALITY RATE (ASMR)

A summary of age adjusted death rates by age and gender, which have been standardized to a 'standard' population (1991 Canada Census) for the purpose of rate comparisons between genders, different time periods or different geographic locations. The ASMR is the theoretical number of deaths that would occur per 10,000 population, if the specific population had the same age structure as the standard population.

(See **Age Standardization** and **Standard Population**; for an example, see **Statistical Computation**.)

AIDS

(See **HIV Disease**.)

ALCOHOL-RELATED DEATHS

Alcohol-related deaths are based on the ICD-10 diagnostic categories listed below, for which the resulting deaths are directly attributed to the use or abuse of alcohol. Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000.

Directly Related to Alcohol Cause of Death:	**ICD–10 Code(s)**
Alcoholic intoxication	F10.0–F10.1
Alcoholic psychoses and dependence	F10.2–F10.9
Alcoholic liver disease	K70
Alcoholic neurological disorders	G31.2, G62.1, G72.1
Alcoholic cardiomyopathy	I42.6
Alcoholic gastritis	K29.2
Alcoholic chronic pancreatitis	K86.0
Alcohol poisoning	X45, X65
Other causes	E24.4, O35.4, P04.3, Q86.0, R78.0, T51.0–T51.2, T51.9

Alcohol is considered to be a direct cause of death if one of the above conditions is listed as the underlying cause of death on the medical certification of death. If, however, any of the above conditions are listed on the certificate as antecedent causes giving rise to the underlying cause or other significant conditions contributing to the death, the death is considered to be indirectly related to alcohol. ICD-10 codes for deaths indirectly related to alcohol are listed below:

Indirectly Related to Alcohol (excludes codes for directly related to alcohol)

Cause of Death	ICD–10 Code(s)
Infectious/parasitic diseases	A00–B99
Neoplasms	C00–D48
Endocrine/nutritional/metabolic diseases	E00–E24.3, E24.8–E89
Mental and behavioural disorders	F00–F09, F11–F99
Nervous system diseases	G00–G31.1, G31.8–G62.0, G62.2–G72.0, G72.2–G99
Circulatory system diseases	I00–I42.5, I42.7–I99
Respiratory system diseases	J00–J99
Digestive system diseases	K00–K29.1, K29.3–K69, K71.0–K85, K86.1–K92
Genitourinary system diseases	N00–N39, N99.0–N99.1, N99.5
Unintentional injury/accidents	V01–X44, X46–X59, Y40–Y86, Y88
Suicide	X60–X64, X66–X84, Y87.0
Homicide	X85–Y09, Y87.1
Other causes	

Refer to Glossary in previous annual reports for ICD-9 codes.

ASFR

(See **Age Specific Fertility Rate.**)

ASMR

(See **Age Standardized Mortality Rate.**)

AVERAGE AGE

The average ages of brides, grooms, and mothers of newborns in this annual report are calculated based on information provided on marriage or birth registration forms. The average ages of the population living in data dissemination areas are based on the mid-year population estimates for five-year age groups.

AVERAGE AGE POPULATION

The average age of the population is a grouped average based on the mid-year population estimates for five-year age groups.

BIRTH ORDER

Denotes the number position of the present birth relative to previous live births. That is, whether the live birth being counted is the 1st, 2nd, 3rd, etc. live born infant to a particular mother.

BIRTH RATE

(See **Crude Rates**.)

BIRTH WEIGHT

The first weight of the fetus or newborn after birth. For live births this weight should be measured within the first hour of life before significant postnatal weight loss has occurred. Hospitals in B.C. measure weight in grams; the approximate equivalents in imperial measures are included below for comparisons to other jurisdictions. For statistical and risk assessment purposes, birth weights are grouped as:

- Extremely Low Birth Weight: weight less than 500 grams (< 1 lb 2 oz).
- Very Low Birth Weight: weight less than 1,500 grams (< 3 lb 5 oz).
- Low Birth Weight (LBW): weight less than 2,500 grams (< 5 lb 8 oz).
- "Normal" Birth Weight: weight from 2,500 to 4,499 grams (5 lb 8 oz to 9 lb 15 oz).
- High Birth Weight: weight of 4,500 grams or more (> 9 lb 15 oz).

BIRTHS

(See **Total Births**.)

BREECH

(See **Mode of Delivery**.)

CESAREAN

(See **Mode of Delivery**.)

COMMUNITY

A geographic area defined by a municipal (city, town, village, district municipality, island municipality, or Indian Government district) boundary. In this report, data are provided only for those communities that are incorporated.

CONFIDENCE INTERVAL

(See **Statistical Test**.)

CONGENITAL ANOMALIES

Physical defects that existed or date from birth.

CRUDE RATES

For live births: the crude rate is the number of births divided by the mid-year population and converted to a rate per 1,000 population.

For birth-related statistics (teenage mother, elderly gravida, C-section, low birth weight, and pre-term): the rate is the number of these births divided by the number of live births and converted to a rate per 1,000 live births.

For stillbirths and perinatal deaths: the rate is the number of stillbirths, perinatal deaths divided by the number of total births (live births plus stillbirths) and converted to a rate per 1,000 total births.

For infant deaths: the crude rate is the number of infant deaths divided by the number of live births and converted to a rate per 1,000 live births.

For maternal deaths: the rate is the number of maternal deaths divided by the number of live births, and converted to a rate per 10,000 live births.

For deaths and mortality statistics: the crude rate is the number of deaths divided by the mid-year population and converted to a rate per 1,000 population.

For marriages: the crude rate is the number of marriages divided by the mid-year population and converted to a rate per 1,000 population.

DEATH RATE

(See **Crude Rates**.)

DRUG-INDUCED DEATHS

Deaths due to drug-induced causes. This category of deaths excludes accidents, homicides, and other causes indirectly related to drug use, as well as alcohol-related deaths and smoking-attributable mortality. The causes of death classified as being drug-induced (as shown below) are based on those used by the National Center for Health Statistics.[1]

Cause of Death	**ICD-10 Code(s)**
Psychoactive substance and drug use/abuse	F11-F16, F19
Accidental poisoning by drugs and medicaments	X40-X44
Suicide by drugs and medicaments	X60-X64
Assault by drugs and medicaments	X85
Poisoning by drugs and medicaments, undetermined if accident or intentional	Y10-Y14
Adverse effects of drugs and medicaments	Y40-Y56, Y57.0-Y57.4, Y57.7-Y57.9, Y88.0

EARLY NEONATAL DEATH

Death of a child under seven days of age.

ELDERLY GRAVIDA

Any woman who was 35 years of age or older at the time of delivery of a live born infant.

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[1] National Center for Health Statistics (1993). Technical notes. Monthly Vital Statistics Report. 41 (Suppl. 7). 48.

EXPECTED DEATHS

The number of deaths expected for residents of a sub-provincial geographic area, based on the age-specific mortality rates for the province as a whole and the population age structure of the sub-provincial geographic area.

(See **Statistical Computation** for an example.)

EXPECTED LOW BIRTH WEIGHT

The number of live births with low birth weight (less than 2,500 grams) that would be expected to be born to residents of a sub-provincial geographic area, based on the low birth weight rate for the province as a whole, and the number of births in the sub-provincial geographic area.

(See **Statistical Calculation** under Low Birth Weight Live Births for an example.)

EXPECTED POTENTIAL YEARS OF LIFE LOST

The number of potential years of life lost (to age 75, as in this report) expected for residents of a sub-provincial geographic area based on the age-specific mortality rates for the province as a whole and the population age structure of the sub-provincial geographic area.

(See **Statistical Computation** under Potential Years of Life Lost Index for an example.)

FERTILITY RATE

The number of live births occurring in a given time period divided by the number of women of child-bearing age for residents of a geographic area. B.C. rates are per 1,000 women aged 15 to 44. Canadian rates are per 1,000 women aged 15 to 49.

(See **Total Fertility Rate**.)

FORCEPS

(See **Mode of Delivery**.)

GESTATIONAL AGE

Fetal age or duration of pregnancy measured from the first day of the last normal menstrual period. Gestational age is expressed in completed days or completed weeks (e.g., events occurring 280 to 286 days after the onset of the last normal menstrual period are considered to have occurred at 40 weeks of gestation).

Measurements of fetal growth, as they represent continuous variables, are expressed in relation to a specific week of gestational age as follows:

• Extremely premature:	gestational age of less than 28 weeks.
• Moderately premature:	gestational age of 28 to 36 weeks.
• Pre-term/Premature:	gestational age less than 37 weeks.
• Term:	gestational age of 37 to 41 weeks.
• Post-term/Postmature:	gestational age of 42 weeks or more.

HEALTH AUTHORITY (HA)

A geographic subdivision of the province used by the Ministry of Health for administrative purposes. The appendices 1 and 3 include data by 6 health authorities. Figure 2 presents a map of the province by HAs.

HEALTH SERVICE DELIVERY AREA (HSDA)

A geographic subdivision of the province used by the Health Authorities for administrative purposes. The appendices 1 and 3 include data by 16 Health Service Delivery Areas. Figure 2 presents a map of the province by HSDAs.

HIV DISEASE

In 1987, the World Health Organization added new codes to the ***International Classification of Diseases*** (ICD) to identify Acquired Immunodeficiency Syndrome (AIDS) and Human Immunodeficiency Virus (HIV). In ICD-10, these conditions are coded to B20–B24 and are called HIV disease..

HUMAN IMMUNODEFICIENCY VIRUS (HIV)

The virus that causes HIV disease.

ICD-9 CODES

The World Health Organization's ***International Classification of Diseases, Ninth Revision***. This version of ICD was used by the B.C. Vital Statistics Agency for coding of birth complications and causes of death from 1979 until 1999.

ICD-10 CODES

The World Health Organization's ***International Classification of Diseases and Related Health Problems, Tenth Revision***, implemented by the B.C. Vital Statistics Agency on January 1, 2000. The Preamble to Appendix 2 presents a summary of ICD-10.

INFANT MORTALITY

Death of children under one year of age.

INFANT MORTALITY RATE

The number of deaths of children under one year of age expressed as a rate per 1,000 live births. The infant mortality rate is an internationally accepted indicator of the health status of a population.

LBW

(See **Low Birth Weight**.)

LHA

(See **Local Health Area**.)

LIFE EXPECTANCY

Life expectancy at age 0 represents the mean number of years a birth cohort (persons born in the same year) may expect to live given the present mortality experience of a population. The life expectancy for a population is a summary measure that reflects the mortality rates for all ages combined, weighted in accordance with a life-table population structure. Life expectancy is an internationally accepted indicator of the health status of a population.

LIVE BIRTH

The ***Vital Statistics Act*** defines a live birth as "The complete expulsion or extraction from its mother, irrespective of the duration of the pregnancy, of a product of conception in which, after the expulsion or extraction, there is:

(a) breathing;
(b) beating of the heart;
(c) pulsation of the umbilical cord; or
(d) unmistakable movement of voluntary muscle, whether or not the umbilical cord has been cut or the placenta attached."

LOCAL HEALTH AREA

A geographic subdivision of the province used by the Ministries of Health for data dissemination purposes, which can be aggregated into Health Authorities (HA), or Health Service Delivery Areas (HSDA). In the tables in this report, four pairs of LHAs have been combined for ease of data presentation. Figure 1 presents a map of the province by local health areas.

LOW BIRTH WEIGHT (LBW)

A birth weight of less than 2,500 grams. Low birth weight babies have increased risks of morbidity and premature death.

LOW BIRTH WEIGHT RATE

The number of low birth weight live born babies per 1,000 live births.

MARRIAGE RATE

(See **Crude Rates**.)

MEDICALLY TREATABLE DISEASES, DEATHS DUE TO

Deaths due to medically treatable diseases are based on Charlton's[2] classification. The disease categories (shown below) are ones for which mortality could potentially have been avoided through appropriate medical intervention. The calculation of this measure is based on deaths of a specified age where the underlying cause stated on the medical certificate of death falls into one of these categories.

Cause of Death (Age)	ICD-10 Code(s)
Hypertensive disease (5–64)	I10–I15
Cervical cancer (5–64)	C53

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[2] Charlton, J.R.H. (1987). Avoidable Deaths and Diseases as Monitors of Health Promotion. In T. Abelin, Z.J. Brzezinski, & V. Carstairs (Eds.), ***Measurement in Health Promotion and Protection*** (pp. 467–479). Copenhagen, Denmark: World Health Organization, Regional Office for Europe.

Pneumonia and unqualified bronchitis (5–49)	J12–J18.1, J18.8–J18.9, J40
Tuberculosis (5–64)	A15–A19, B90
Asthma (5–49)	J45, J46
Chronic rheumatic heart disease (5–44)	I05–I09
Acute respiratory infections and influenza (5–49)	J00–J06, J20–J22, J10–J11
Bacterial infections (5–64)	A00–A05, A20–A49, B95–B96, G00, H66, H70, H95.0–H95.1, I00–I01, I02.0, I02.9, L01–L08, M00, M02.8, M02.9, M46.2, M86, M87.1
Hodgkin's disease (5–34)	C81
Abdominal hernias, cholecystitis and cholelithiasis, appendicitis (5–64)	K40–K46, K80–K81, K35–K37
Deficiency nutritional anemias (5–64)	D50–D53

MODE OF DELIVERY

- **Cesarean:**
  A delivery involving the surgical incision of the abdomen and uterine walls.
- **Forceps:**
  An assisted delivery employing forceps.
- **Spontaneous Breech:**
  An unassisted (spontaneous) delivery in which the buttocks or feet of the fetus appear first.
- **Spontaneous Vertex:**
  An unassisted (spontaneous) delivery in which the head of the fetus appears first.
- **Vacuum:**
  An assisted delivery employing suction or vacuum.

MVA DEATHS

Motor Vehicle Accidental Deaths.

NATURAL POPULATION GROWTH

The component increase in a population due to the number of live births less deaths. This increase may often be expressed as a rate, such as per 1,000 population.

NEONATAL DEATH

Death of a child under 28 days of age.

OBSERVED DEATHS

The actual number of deaths that occurred in the province to residents of a geographic area in a specified time period.

OBSERVED LOW BIRTH WEIGHT LIVE BIRTHS

The actual number of low birth weight live births that occurred in the province to residents of a geographic area in a specified time period.

OBSERVED PYLL

The actual number of potential years of life lost (to age 75) from deaths that occurred in the province to residents of a geographic area in a specified time period.

OUT-OF-WEDLOCK BIRTHS

Births where the mother of the baby is not lawfully married to the father of the baby.

P-VALUE

(See **Statistical Test**.)

PERINATAL

Pertaining to or occurring in the period shortly before, during, and after birth.

POPULATION

Mid-year population estimates used in the preparation of this report were obtained from BC STATS, Ministry of Management Services.

POST NEONATAL DEATH

Death of a child between the ages of 28 days and less than one year.

POST-TERM

(See **Gestational Age**.)

POTENTIAL YEARS OF LIFE LOST (PYLL)

The number of years of life lost when a person dies before a specified age (75 years). In this report, all deaths are assumed to occur at the midpoint of five-year age groups.

(See **Statistical Computation** for an example.)

PRE-TERM

(See **Gestational Age**.)

PYLL INDEX (PYLLI)

The ratio of an area's observed PYLL to its expected PYLL. This is a health status indicator.

(See **Statistical Computation** for an example.)

PYLL STANDARDIZED RATE (PYLLSR)

An age-standardized measure of an area's PYLL, expressed in terms of a rate per 1,000 population, adjusted to a standard population (1991 Canada Census). This is a health status indicator.

(See **Statistical Computation** for an example.)

PYLLI

(See **PYLL Index**.)

PYLLSR

(See **PYLL Standardized Rate**.)

QUINTILE

A ranking is derived by dividing a group (e.g., LHAs within British Columbia) into five subgroups, each with equal numbers of LHAs. These divisions are derived from a ranking of the group members according to the value of a measure, such as the SMR or the PYLLI.

SAM

(See **Smoking-attributable Mortality**.)

SAM(%)

(See **Smoking-attributable Mortality**.)

SIDS

Sudden Infant Death Syndrome.

SMOKING-ATTRIBUTABLE MORTALITY (SAM)

The absence on death certifications of complete and reliable data on smoking as a contributing factor requires that estimation or other techniques be used to approximate the extent of smoking-attributable deaths. Estimation methods, while not precise, may at least provide a general indication of the extent of such deaths. The method used here is based on the concept of attributable risk.

To define attributable risk mathematically, consider d_0 and d_1 respectively to represent the death rates, in a given time period, in two cohorts from a population — those not exposed and those exposed to a given risk factor. The attributable risk of this factor, AR_1 , would then be:

$$AR_1 = \frac{d_1 - d_0}{d_1} = \frac{r_1 - 1}{r_1}$$

Where: $r_1 = d_1/d_0$ is the relative risk of the exposed cohort.

The relative risk of the unexposed cohort is $r_0 = 1$; the attributable risk of this cohort is $AR_0 = 0$.

The attributable risk (AR) for the population as a whole (exposed plus unexposed cohorts) is given by:

$$AR = \frac{p_1 (r_1 - 1)}{p_1 (r_1) + (1 - p_1)(r_0)} = \frac{(p_1)(r_1 - 1)}{(p_1)(r_1 - 1) + 1}$$

Where: p_1 = the proportion or fraction of the population exposed to the risk factor; and

$1-p_1 =$ the proportion or fraction of the population not exposed to the risk factor.

This may be extended to account for multiple levels of exposure, as follows:

$$AR = \frac{\sum_{i=1}^{n} p_i (r_i - 1)}{\sum_{i=1}^{n} p_i (r_i - 1) + 1}$$

Where: p_i = the proportion (prevalence) of the population in the ith level of exposure group;
r_i = the relative risk at the ith level of exposure; and
i = the ith risk category.

When applied to smoking-attributable mortality (SAM), the attributable risk is often expressed as a percentage:

$$SAM (\%) = AR \times 100$$

The number of adult (35+ years of age) smoking deaths in British Columbia was estimated for 19 diseases. Smoking-attributable deaths are derived by multiplying the smoking-attributable mortality percentage expressed as a decimal fraction by the number of deaths in each cause of death category listed below.

Cause of Death	**ICD-10 Code(s)**
Malignant Neoplasms	
Malignant neoplasm of lip, oral cavity, and pharynx	C00–C14
Malignant neoplasm of esophagus	C15
Malignant neoplasm of pancreas	C25
Malignant neoplasm of larynx	C32
Malignant neoplasm of trachea, lung, and bronchus	C33–C34
Malignant neoplasm of cervix, uterus	C53–C55
Malignant neoplasm of urinary bladder	C67
Malignant neoplasm of kidney and other unspecified urinary organs	C64–C66, C68
Circulatory System Diseases	
Hypertension	I10–I13
Ischemic heart disease	I20–I25
Other heart diseases	I01–I09, I27, I30–I52
Cerebrovascular disease	I60–I69
Atherosclerosis	I70
Aortic aneurysm	I71
Other arterial diseases	I26, I28, I72–I78
Respiratory System Diseases	
Pneumonia/influenza	J10–J18.1, J18.8–J18.9
Bronchitis, emphysema	J40–J43
Chronic obstructive pulmonary disease	J44
Other respiratory diseases	A15–A19, J45–J46

Relative-risk data from the American Society's Cancer Prevention Study (CPS-II) 1982–1988[3] were selected for use, as they have been widely used for similar analyses. The data from the CPS–II established the age groups and the classification of smokers (current, former, and never) for which smoking prevalence data were required. The relative risk age categories were for 35+, or 35–64 and 65+. B.C. prevalence rates for smoking were provided in the ***Tobacco Use in B.C. (1997)*** survey commissioned by the B.C. and Yukon Health and Stroke Foundation.[4]

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[3] Centers for Disease Control. (1990). ***Smoking and health: A national status report***. (DHSS publication no. (CDC) 87–8396). 2nd Edition. Rockville, MD: U.S. Department of Health and Human Services.

[4] Tobacco Use in B.C., ANGUS REID GROUP survey results, September 1997.

SMR

(See **Standardized Mortality Ratio**.)

STANDARD POPULATION

A reference population of known age distribution used in the calculation of standardized indicators to adjust for variations in population age structures in different geographic areas or time periods. For SMR and PYLLI calculations the standard population is the British Columbia population for the year(s) concerned. The 1991 Canadian Census is used as the standard population in the calculation of ASMR and PYLLSR.

STANDARDIZED MORTALITY RATIO (SMR)

The ratio of the number of deaths occurring to residents of a geographic area (e.g., LHA) to the expected number of deaths in that area based on provincial age-specific mortality rates. The SMR is a good measure for comparing mortality data that are based on a small number of cases or for readily comparing mortality data by geographical area. SMR is an internationally recognized health status indicator.

(See **Age Standardization** and **Standard Population**; for an example see **Statistical Computation**.)

STATISTICAL COMPUTATION

The following provides the reader with computational examples of how various measures are calculated. In the examples, LHAs have been employed as the geographic unit of analysis. All data shown in the examples are hypothetical.

- **Age Standardized Mortality Rate (ASMR):**

		LHA		
Age Group (i)	Standard Population (π_i)	Estimated Population (p_i)	Death Rate/10,000 (m_i)	Observed Deaths (d_i)
<1	403,061	1,339	22.4	3
1–4	1,550,285	5,483	1.8	1
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
80–84	382,303	1,198	701.2	84
85 +	287,877	908	1596.9	145
TOTAL	28,120,065	81,016		561

For the Local Health Area:

$$ASMR = \frac{\sum m_i \times \pi_i}{\Pi} = \frac{22.4 \times 403{,}061 + \ldots + 1{,}596.9 \times 287{,}877}{28{,}120{,}065} = 46.2$$

Where: p_i = area population in age group i;
π_i = standard population in age group i;
$\Pi = \Sigma\pi_i$ = total standard population;
d_i = deaths in LHA population in age group i; and
$m_i = d_i/p_i \times 10{,}000$ = mortality rate per 10,000 LHA population in age group i.

e.g., $m_i = \frac{3 \times 10{,}000}{1{,}339} = 22.4$, for age group 1.

- **Fertility Rate:**

Age Group (i)	LHA Live Births (b_i)	 Female Population (w_i)	 Age Specific Fertility Rate ($ASFR_i$)
15–19	19	598	31.8
20–24	46	440	104.5
25–29	74	498	148.6
30–34	51	745	68.5
35–39	12	690	17.4
40–44	2	581	3.4
TOTAL	204	3,552	374.2

For the Local Health Area:

1) the age specific fertility rate (ASFR) for age group 15–19 years is:

$$ASFR_i = \frac{b_i}{w_i} \times 1{,}000 = \frac{19}{598} \times 1{,}000 = 31.8$$

Where: b_i = number of live births for age group i; and
w_i = number of female population for age group i.

2) the total fertility rate (TFR) is:

$$TFR = a \times \Sigma ASFR_i = 5 \times (31.8 + \ldots + 3.4) = 1{,}871$$

Where: $ASFR_i$ = age specific fertility rate for age group i; and
a = number of years in each age group i.

- **Low Birth Weight (LBW) Live Births:**

Year (i)	LHA Low Birth Weight Live Births Observed (O_i)	 Expected (E_i)	 Total Live Births (L_i)	British Columbia Low Birth Weight Live Births Observed (b_i)	 Total Live Births (B_i)
1995	92	82.9	1,701	2,096	42,989
1996	69	74.6	1,588	1,965	41,846
1997	102	80.2	1,582	2,113	41,655
1998	85	74.7	1,495	2,145	42,913
1999	91	78.1	1,501	2,267	43,586
TOTAL	439	390.6	7,867	10,586	212,989

For the Local Health Area:

1) the expected low birth weight live births for year i = 1995 were:

$$E_i = \frac{b_i}{B_i} \times L_i = \frac{2{,}096}{42{,}989} \times 1{,}701 = 82.9$$

Where: b_i = number of LBW live births for the province in year i;
B_i = number of live births for the province in year i; and
L_i = number of live births for the LHA.

2) the ratio of observed over the expected LBW live births for the five-year period was:

$$\text{Ratio} = \frac{\Sigma O_i}{\Sigma E_i} = \frac{92 + \ldots + 91}{82.9 + \ldots + 78.1} = \frac{439}{390.6} = 1.1$$

Where: O_i = observed LBW live births for year i; and
E_i = expected LBW live births for year i.

3) Chi-Square (χ^2) :

$$\chi^2 = \frac{(O-E)^2}{E} = \frac{(439-390.6)^2}{390.6} = 6.0$$

Where: $O = \Sigma O_i$ = total number of observed LBW live births; and
$E = \Sigma E_i$ = total number of expected LBW live births.

- **Potential Years of Life Lost (PYLL) and Standardized Rate (PYLLSR):**

Age Group (i)	Age Factor ($75-Y_i$)	Standard Population (π_i)	LHA Estimated Population (p_i)	Death Rate/1,000 (m_i)	Observed Deaths (d_i)	Observed PYLL ($d_i(75-Y_i)$)
<1	74.5	403,061	1,339	2.2	3	223.5
1–4	72.0	1,550,285	5,483	0.2	1	72.0
5–9	67.5	1,953,045	6,553	0.2	1	67.5
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
65–69	7.5	1,084,588	3,538	18.7	66	495.0
70–74	2.5	834,024	2,779	28.8	80	200.0
TOTAL 0-74		28,120,065	79,140		239	3,183.0

For the Local Health Area:

$$PYLL = \Sigma d_i \times (75 - Y_i)$$

Where: d_i = number of deaths in age group i;
Y_i = age at midpoint of age group i; and
Σ = summation.

$$PYLLSR = \frac{\Sigma m_i \times \pi_i \times (75 - Y_i)}{\Pi} = \frac{2.2 \times 403{,}061 \times 74.5 + \ldots + 28.8 \times 834{,}024 \times 2.5}{28{,}120{,}065} = 37.0$$

Where: p_i = LHA population in age group i;
π_i = standard population in age group i;
$\Pi = \Sigma\pi_i$ = total standard population;
d_i = deaths in LHA population in age group i;
Y_i = age at midpoint of age group i; and
$m_i = (d_i/p_i) \times 1{,}000$ = mortality rate per 1,000 LHA population in age group i.

- **Potential Years of Life Lost Index (PYLLI):**

Note that this method is both age and gender standardized.

Age Group (i)	Gender (j)	Age Factor ($75-Y_{ij}$)	LHA Estimated Population (p_{ij})	Death Rate/1,000 (m_{ij})	Observed Deaths (d_{ij})	Observed PYLL ($d_{ij}(75-Y_{ij})$)	Expected PYLL ($e_{ij}(75-Y_{ij})$)	British Columbia Estimated Population (P_{ij})	Death Rate/1,000 ($D_{ij}/P_{ij} \times 1{,}000$)	Observed Deaths (D_{ij})	Observed PYLL ($D_{ij}(75-Y_{ij})$)
<1	M	74.5	1,339	2.2	3	223.5	766.3	42,700	7.7	328	24,436.0
<1	F	74.5	1,301	1.8	2	177.3	620.8	40,600	6.4	260	19,380.3
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
70–74	M	2.5	1,587	71.3	113	282.8	233.2	65,500	58.8	3,969	9,921.4
70–74	F	2.5	2,779	28.8	80	200.0	182.3	107,000	26.2	2,807	7,017.5
TOTAL			79,140		239	3,183.0	5,100.0	2,966,500		11,068	200,265.5

For the Local Health Area:

$$PYLLI = \frac{O}{E} = \frac{\Sigma d_{ij} \times (75 - Y_{ij})}{\Sigma e_{ij} \times (75 - Y_{ij})} = \frac{223.5 + 177.3 + \ldots + 282.8 + 200.0}{766.3 + 620.8 + \ldots + 233.2 + 182.3} = \frac{3{,}183}{5{,}100} = 0.6$$

Where: O = observed PYLL;
E = expected PYLL;
d_{ij} = observed deaths in age group i and gender j;
e_{ij} = expected deaths in age group i and gender j;
Y_{ij} = age at midpoint of age group i and gender j;
p_{ij} = LHA population for age group i and gender j;
P_{ij} = provincial population for age group i and gender j;
D_{ij} = provincial deaths for age group i and gender j.

1) Observed PYLL (O)

The number of potential years of life lost (PYLL) based on the number and age at death of deaths that occurred in the LHA. For example, for age group under one year of age and gender j, the observed PYLL are:

Observed PYLL = deaths × age factor = $d_{ij}(75 - Y_{ij}) = 3 \times 74.5 = 223.5$

2) Expected PYLL (E)

The number of potential years of life lost (PYLL) expected for residents of the LHA based on the PYLL from the expected deaths in the age group. For example, for age group under one year of age and gender j, the expected PYLL are:

Expected PYLL = expected deaths × age factor = $e_{ij}(75 - Y_{ij}) = \frac{D_{ij}}{P_{ij}} \times p_{ij} \times (75 - Y_{ij})$

$$= \frac{328}{42{,}700} \times 1{,}339 \times 74.5 = 766.3$$

- **Standardized Mortality Ratio (SMR):**

Age Group (i)	Gender (j)	LHA				British Columbia		
		Estimated Population (p_{ij})	Death Rate/1,000 (m_{ij})	Observed Deaths (d_{ij})	Expected Deaths (e_{ij})	Estimated Population (P_{ij})	Death Rate/1,000 (M_{ij})	Observed Deaths (D_{ij})
<1	M	1,339	2.2	3	10.3	42,700	7.7	328
<1	F	1,301	1.8	2	8.3	40,600	6.4	260
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
85 +	M	1,198	70.1	84	87.2	48,100	72.8	3,502
85 +	F	908	159.7	145	138.8	34,500	152.8	5,272
TOTAL		81,016		561	595.1	3,131,700		23,389

Note that this method is both age and gender standardized.

For the Local Health Area:

$$SMR = \frac{\Sigma d_{ij}}{\Sigma e_{ij}} = \frac{3 + 2 + \ldots + 110 + 145}{10.3 + 8.3 + \ldots + 92.6 + 138.8} = \frac{561}{595.1} = 0.9$$

Where: d_{ij} = observed deaths in age group i and gender j; and
e_{ij} = expected deaths in age group i and gender j.

1) Observed Deaths (d)

The actual number of deaths that occurred in the LHA. For example, for age group under one year of age and gender j, the observed deaths are three.

2) Expected Deaths (e)

The number of deaths expected for residents of the LHA based on the age specific mortality rates for the province as a whole and the population age structure of the LHA. For age group under one year and gender j, the expected deaths are:

$$e_{ij} = \frac{D_{ij}}{P_{ij}} \times p_{ij} = \frac{328}{42,700} \times 1,339 = 10.3$$

Where: p_{ij} = LHA population for age group i and gender j;
D_{ij} = provincial death for age group i and gender j; and
P_{ij} = provincial population for age group i and gender j.

STATISTICAL TEST

- **P-VALUE**

The p-value is the probability of rejecting the null hypothesis when a specified test procedure is used on a given data set. This probability is the smallest level of significance at which the null hypothesis would be rejected. Once the p-value has been determined, the conclusion at any particular level α results from comparing the p-value to α (e.g., 0.05):

(a) p-value $\leq \alpha \Rightarrow$ reject null hypothesis at level α,

(b) p-value $> \alpha \Rightarrow$ do not reject the null hypothesis at level α,

and we call the data statistically significant when the null hypothesis is rejected and not significant otherwise.

- For rates, such as ASMRs, the test employed to determine statistical significance is a confidence interval. The 95% confidence interval for the difference (D) between a LHA and a provincial rate is defined by the upper and lower limits of the interval as follows:

$$Lower\ Limit = D - 1.96\sqrt{\frac{R_l^2}{O_l} + \frac{R_p^2}{O_p}}$$

$$Upper\ Limit = D + 1.96\sqrt{\frac{R_l^2}{O_l} + \frac{R_p^2}{O_p}}$$

Where: R_l = Rate for LHA *l*;
R_p = Rate for the province;
O_l = Observed number for LHA *l*; and
O_p = Observed number for the province.

If the Lower Limit > 0, then R_l is statistically significantly higher than R_p;
if the Upper Limit < 0, then R_l is statistically significantly lower than R_p; otherwise,
there is no statistically significant difference.

- For ratios, such as SMRs, a Chi-square ($\chi 2$) test is applied to determine whether the observed number of cases is statistically significantly different from the expected number. For LHA *l*:

$$\chi_l^2 = \frac{(O_l - E_l)^2}{E_l}$$

(with one degree of freedom).

Where: O_I = Observed number for LHA *I*; and
E_I = Expected number for LHA *I*.

If $\chi_I^2 > 3.84$, the ratio is statistically significant at 5% significance level.

- For SMR values, the Chi-square statistic that is applied is:

$$\chi_I^2 = 9\hat{O}_I\left(1 - \frac{1}{9\hat{O}_I} - \left(\frac{E_I}{\hat{O}_I}\right)^{1/3}\right)^2$$

Where: $\hat{O}_I = O_I$ *if* $O_I > E_I$; *otherwise*
$\hat{O}_I = O_I + 1$.

STILLBIRTH

The ***Vital Statistics Act*** defines a stillbirth as "The complete expulsion or extraction from its mother after at least 20 weeks of pregnancy, or after attaining a weight of at least 500 grams, of a product of conception in which, after the expulsion or extraction, there is no breathing, beating of the heart, pulsation of the umbilical cord, or unmistakable movement of voluntary muscle."

The definition of a stillbirth has changed over the years. From July 1, 1962 until January 1, 1986, the definition of a stillbirth did not include the phrase "or after attaining a weight of at least 500 grams." From 1950 until July 1, 1962, the definition of a stillbirth was: the birth of a viable fetus after at least 28 weeks pregnancy in which pulmonary respiration does not occur, whether death occurs before, during, or after birth.

STILLBIRTH RATE

(See **Crude Rates.**)

TEENAGE MOTHERS

Mothers less than 20 years of age.

TERM

(See **Gestational Age**.)

TFR

(See **Total Fertility Rate**.)

TOTAL BIRTHS

The number of live births plus stillbirths.

TOTAL FERTILITY RATE (TFR)

The rate is calculated by summing all of the age-specific birth rates multiplied by the number of years by which the age-specific birth rates are grouped (this assumes the same number of women in each age group). "The total fertility rate indicates the number of births that a group of 1,000 women would have if they experienced, during their childbearing years (i.e., age 15 to 44 years), the age-specific birth rates observed in a given calendar year. It is a hypothetical measure that shows the implications of current levels of fertility by age for completed family size." (National Center for Health Statistics. Supplements to the monthly vital statistics report: advance reports, 1987. National Center for Health Statistics. Vital Health Stat 24 (4) p. 5. 1990.)

(See **Statistical Computation** for an example.)

TOTAL PYLL

The total number of potential years of life lost prior to an established cut-off point of 75 years.

VERY LOW BIRTH WEIGHT

A birth weight of less than 1,500 grams.

UCOD

(See **Underlying Cause of Death.**)

UNDERLYING CAUSE OF DEATH (UCOD)

The World Health Organization defines the underlying cause of death as "(a) the disease of injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury."

VACUUM

(See **Mode of Delivery**.)

VERTEX

(See **Mode of Delivery**.)

Appendix 1

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA, AND COMMUNITY, BRITISH COLUMBIA, 2004

Preamble to Appendix 1

British Columbia is a large, geographically diverse province. The majority of the population is concentrated in the southwestern corner of the province, with the majority of the remaining population concentrated in the major cities of Kelowna, Kamloops, Prince George, and Nanaimo, or along the border with the United States. Large areas of the province are sparsely populated. Health care services tend to be concentrated in the areas of greater population, especially in the metropolitan areas of Vancouver and Victoria.

Appendix 1 provides summary details of the 2004 vital statistics for Health Authorities (HA), Health Service Delivery Areas (HSDA), Local Health Areas (LHA), and incorporated communities. The LHAs are the lowest level of geographic data aggregation; they are the building blocks upon which HSDA and HA information is aggregated. Information presented in this appendix includes the number of live births, stillbirths, and deaths by gender, and the number of marriages. Live births and stillbirths are assigned to the geographic areas based on usual residence of the mother. Deaths are assigned to geographic areas based on the usual residence of the decedent. Marriages are assigned to geographic areas based on the place where the marriage ceremony was performed, and include non-residents.

Population estimates, average age, and life expectancy at birth were obtained from BC STATS, Ministry of Management Services.

APPENDIX 1

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

HSDA 11 EAST KOOTENAY

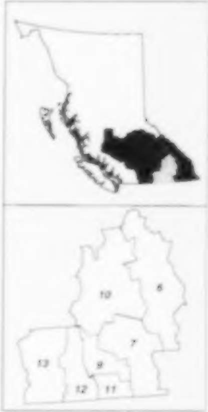
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 001 Fernie		M	8,298	67	44		1	37.6	77.8
		F	7,564	55	34		-	38.0	83.4
		T	15,862	122	78	95	1	37.8	80.4
Elkford	DM	M		9	3		-		
		F		10	3		-		
		T	2,676	19	6	12	-		
Fernie	C	M		19	18		-		
		F		22	23		-		
		T	5,040	41	41	58	-		
Sparwood	DM	M		24	15		-		
		F		11	4		-		
		T	3,988	35	19	14	-		
LHA 002 Cranbrook		M	13,030	104	118		-	38.2	78.0
		F	13,177	103	96		-	39.4	82.1
		T	26,207	207	214	118	-	38.8	80.0
Cranbrook	C	M		84	98		-		
		F		85	76		-		
		T	19,608	169	174	70	-		
LHA 003 Kimberley		M	4,443	27	32		-	42.5	79.5
		F	4,500	30	36		-	43.9	82.3
		T	8,943	57	68	52	-	43.2	81.0
Kimberley	C	M		22	25		-		
		F		22	33		-		
		T	6,927	44	58	38	-		
LHA 004 Windermere		M	4,970	43	22		1	39.0	78.8
		F	4,813	30	24		-	39.6	85.5
		T	9,783	73	46	110	1	39.3	81.9
Canal Flats	VL	M		6	-		-		
		F		5	2		-		
		T	673	11	2	4	-		
Invermere	DM	M		20	12		-		
		F		12	13		-		
		T	3,140	32	25	26	-		
Radium Hot Springs	VL	M		3	1		-		
		F		2	1		-		
		T	747	5	2	22	-		
LHA 005 Creston		M	6,348	44	66		-	43.6	78.3
		F	6,462	57	56		-	42.7	83.6
		T	12,810	101	122	56	-	41.6	80.9
Creston	T	M		17	40		-		
		F		15	43		-		
		T	5,039	32	83	26	-		
LHA 018 Golden		M	4,066	26	19		-	36.4	77.7
		F	3,726	27	12		-	36.6	84.1
		T	7,792	53	31	99	-	36.5	80.4
Golden	T	M		24	18		-		
		F		26	10		-		
		T	4,373	50	28	57	-		
TOTAL		**M**	**41,155**	**311**	**301**		**2**	**39.0**	**78.5**
		F	**40,242**	**302**	**258**		**-**	**40.1**	**83.0**
		T	**81,397**	**613**	**559**	**530**	**2**	**39.5**	**80.7**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

HSDA 12 KOOTENAY BOUNDARY



Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type[1]	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 006 Kootenay Lake		M	1,825	23	15		-	41.6	76.2
		F	1,748	16	4		-	43.2	88.5
		T	3,573	39	19	19	-	42.4	80.7
Kaslo	VL	M		16	10		-		
		F		8	1		-		
		T	1,067	24	11	12	-		
LHA 007 Nelson		M	12,363	131	102		-	39.5	77.7
		F	12,397	98	98		1	40.7	82.3
		T	24,760	229	200	147	1	40.1	79.9
Nelson	C	M		55	53		-		
		F		42	67		1		
		T	9,784	97	120	78	1		
Salmo	VL	M		9	11		-		
		F		7	7		-		
		T	1,137	16	18	6	-		
Slocan	VL	M		-	3		-		
		F		-	-		-		
		T	357	-	3	1	-		
LHA 009 Castlegar		M	6,784	47	59		-	39.8	77.5
		F	6,689	33	56		-	40.8	82.1
		T	13,473	80	115	49	-	40.3	79.7
Castlegar	C	M		28	38		-		
		F		26	42		-		
		T	7,755	54	80	30	-		
LHA 010 Arrow Lakes		M	2,628	13	24		-	41.0	76.2
		F	2,539	22	19		-	42.5	81.8
		T	5,167	35	43	30	-	41.7	79.0
Nakusp	VL	M		10	13		-		
		F		14	11		-		
		T	1,785	24	24	18	-		
New Denver	VL	M		1	7		-		
		F		1	3		-		
		T	549	2	10	8	-		
Silverton	VL	M		-	1		-		
		F		2	3		-		
		T	230	2	4	1	-		
LHA 011 Trail		M	9,864	67	104		2	41.0	76.0
		F	10,242	53	122		1	43.0	81.6
		T	20,106	120	226	74	3	42.0	78.8
Fruitvale	VL	M		15	12		-		
		F		10	10		-		
		T	2,056	25	22	17	-		
Montrose	VL	M		5	3		-		
		F		4	5		-		
		T	1,087	9	8	6	-		
Rossland	C	M		16	8		1		
		F		19	17		-		
		T	3,680	35	25	10	1		
Trail	C	M		21	71		-		
		F		13	83		1		
		T	7,816	34	154	35	1		
Warfield	VL	M		8	4		1		
		F		6	5		-		
		T	1,746	14	9	1	1		

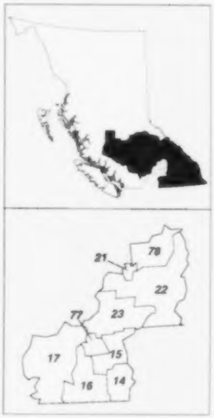
APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 012 Grand Forks		M	4,605	34	51		-	43.1	78.5
		F	4,467	40	48		-	45.0	81.7
		T	9,072	74	99	40	-	44.0	80.0
Grand Forks	C	M		28	41		-		
		F		33	46		-		
		T	4,173	61	87	25	-		
LHA 013 Kettle Valley		M	1,893	15	11		-	42.2	80.1
		F	1,674	17	6		-	43.4	90.0
		T	3,567	32	17	20	-	42.8	84.3
Greenwood	C	M		4	4		-		
		F		5	5		-		
		T	665	9	9	7	-		
Midway	VL	M		2	2		-		
		F		4	-		-		
		T	639	6	2	3	-		
TOTAL		**M**	**39,962**	**330**	**366**		**2**	**40.7**	**77.2**
		F	**39,756**	**279**	**353**		**2**	**42.1**	**82.2**
		T	**79,718**	**609**	**719**	**379**	**4**	**41.4**	**79.6**

HSDA 13 OKANAGAN



Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 014 Southern Okanagan		M	9,249	69	134		-	47.0	78.0
		F	9,653	59	120		1	47.9	82.9
		T	18,902	128	254	90	1	47.5	80.4
Oliver	T	M		36	69		-		
		F		44	71		1		
		T	4,367	80	140	36	1		
Osoyoos	T	M		14	34		-		
		F		7	31		-		
		T	4,599	21	65	23	-		
LHA 015 Penticton		M	19,637	151	269		-	42.7	77.3
		F	21,397	120	240		-	45.2	83.2
		T	41,034	271	509	236	-	44.0	80.3
Penticton	C	M		117	243		-		
		F		101	215		-		
		T	32,868	218	458	183	-		
LHA 016 Keremeos		M	2,520	18	49		-	46.8	75.8
		F	2,459	11	16		-	46.2	81.2
		T	4,979	29	65	17	-	46.5	78.2
Keremeos	VL	M		13	40		-		
		F		4	14		-		
		T	1,271	17	54	12	-		
LHA 017 Princeton		M	2,429	11	38		-	45.5	76.2
		F	2,380	12	9		-	45.3	78.9
		T	4,809	23	47	31	-	45.4	77.3
Princeton	T	M		11	37		-		
		F		10	8		-		
		T	2,684	21	45	24	-		
LHA 021 Armstrong-Spallumcheen		M	4,926	35	37		1	39.9	77.7
		F	5,199	38	28		-	40.8	84.8
		T	10,125	73	65	34	1	40.4	81.1
Armstrong	C	M		26	30		1		
		F		24	18		-		
		T	4,492	50	48	26	1		
Spallumcheen	DM	M		9	7		-		
		F		14	10		-		
		T	5,633	23	17	8	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 022 Vernon		M	29,859	273	331		5	40.2	77.3
		F	31,348	251	266		-	42.2	82.5
		T	61,207	524	597	348	5	41.2	79.9
Coldstream	DM	M		31	29		-		
		F		29	21		-		
		T	9,896	60	50	60	-		
Lumby	VL	M		22	22		-		
		F		28	13		-		
		T	1,699	50	35	17	-		
Vernon	C	M		186	239		4		
		F		159	200		-		
		T	35,548	345	439	196	4		
LHA 023 Central Okanagan		M	79,250	683	713		6	40.1	79.1
		F	83,305	666	725		3	42.0	83.4
		T	162,555	1,349	1,438	902	9	41.1	81.3
Kelowna	C	M		434	500		2		
		F		464	552		2		
		T	105,621	898	1,052	673	4		
Lake Country	DM	M		44	31		-		
		F		48	24		-		
		T	10,064	92	55	76	-		
Peachland	DM	M		18	24		-		
		F		13	20		1		
		T	5,077	31	44	31	1		
LHA 077 Summerland		M	5,888	32	65		-	46.0	79.5
		F	6,354	34	81		-	45.0	82.5
		T	12,242	66	146	76	-	40.4	80.9
Summerland	DM	M		32	65		-		
		F		34	81		-		
		T	11,776	66	146	76	-		
LHA 078 Enderby		M	3,746	26	42		-	40.4	75.2
		F	3,797	33	39		-	41.4	82.8
		T	7,543	59	81	47	-	40.9	78.7
Enderby	C	M		21	38		-		
		F		28	35		-		
		T	3,015	49	73	43	-		
TOTAL		**M**	**157,504**	**1,298**	**1,678**		**12**	**41.2**	**78.2**
		F	**165,892**	**1,224**	**1,524**		**4**	**43.0**	**83.0**
		T	**323,396**	**2,522**	**3,202**	**1,781**	**16**	**42.1**	**80.6**

HSDA 14 THOMPSON CARIBOO

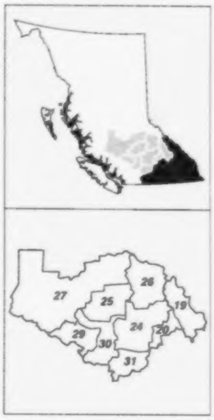
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 019 Revelstoke		M	4,344	44	34		-	37.8	76.7
		F	4,179	35	30		-	38.6	82.3
		T	8,523	79	64	58	-	38.2	79.3
Revelstoke	C	M		44	34		-		
		F		35	30		-		
		T	7,911	79	64	55	-		
LHA 020 Salmon Arm		M	16,371	103	183		1	41.6	77.4
		F	16,754	108	144		-	43.3	81.9
		T	33,125	211	327	188	1	42.5	79.6
Salmon Arm	DM	M		57	92		-		
		F		64	87		-		
		T	16,466	121	179	107	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
Sicamous	DM	M		15	20		1		
		F		10	14		-		
		T	3,014	25	34	33	1		
LHA 024 Kamloops		M	51,826	467	441		4	38.8	76.1
		F	52,581	445	366		2	40.0	81.5
		T	104,407	912	807	556	6	39.4	78.7
Chase	VL	M		28	26		-		
		F		20	17		-		
		T	2,546	48	43	39	-		
Kamloops	C	M		387	336		3		
		F		357	306		1		
		T	81,699	744	642	405	4		
Logan Lake	DM	M		1	13		-		
		F		4	10		-		
		T	2,314	5	23	4	-		
LHA 025 100 Mile House		M	7,551	53	65		1	41.1	76.8
		F	7,220	55	50		-	40.2	80.9
		T	14,771	108	115	95	1	40.7	78.6
100 Mile House	DM	M		29	34		-		
		F		26	27		-		
		T	1,823	55	61	47	-		
LHA 026 North Thompson		M	2,734	19	17		-	37.4	77.6
		F	2,509	26	18		-	36.5	81.1
		T	5,243	45	35	22	-	37.0	79.2
LHA 027 Cariboo-Chilcotin		M	14,848	139	93		-	36.1	75.8
		F	14,250	139	76		3	36.6	81.1
		T	29,098	278	169	120	3	36.3	78.4
Williams Lake	C	M		65	50		-		
		F		63	50		3		
		T	11,833	128	100	64	3		
LHA 029 Lillooet		M	2,457	29	25		-	36.2	75.0
		F	2,374	22	17		1	36.5	79.9
		T	4,831	51	42	18	1	36.4	77.4
Lillooet	DM	M		27	19		-		
		F		19	14		1		
		T	2,814	46	33	8	1		
LHA 030 South Cariboo		M	4,048	23	44		-	40.6	75.5
		F	3,830	31	32		1	39.9	80.4
		T	7,878	54	76	36	1	40.2	77.5
Ashcroft	VL	M		8	10		-		
		F		8	11		-		
		T	1,864	16	21	13	-		
Cache Creek	VL	M		4	13		-		
		F		9	7		-		
		T	1,142	13	20	8	-		
Clinton	VL	M		3	8		-		
		F		2	4		-		
		T	670	5	12	8	-		
Lytton	VL	M		6	7		-		
		F		11	7		1		
		T	331	17	14	6	1		



APPENDIX *1 – continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)		Type[1]	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 031	Merritt		M	5,828	51	58		-	37.2	74.4
			F	5,779	54	52		-	37.3	77.5
			T	11,607	105	110	44	-	37.2	75.9
	Merritt	C	M		47	51		-		
			F		41	45		-		
			T	7,496	88	96	34	-		
	TOTAL		M	110,007	928	960		6	38.8	76.2
			F	109,476	915	785		7	39.7	81.3
			T	219,483	1,843	1,745	1,137	13	39.3	78.6
HA 01	**INTERIOR**		**M**	**348,628**	**2,867**	**3,305**		**22**	**40.1**	**77.5**
	TOTAL		**F**	**355,366**	**2,720**	**2,920**		**13**	**41.6**	**82.4**
			T	**703,994**	**5,587**	**6,225**	**3,827**	**35**	**40.9**	**79.9**

HSDA 21 FRASER EAST

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Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)		Type[1]	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 032	Hope		M	4,497	35	55		-	40.9	75.7
			F	4,261	38	43		-	41.4	79.9
			T	8,758	73	98	42	-	41.1	77.6
	Hope	DM	M		28	47		-		
			F		34	39		-		
			T	6,558	62	86	34	-		
LHA 033	Chilliwack		M	37,621	481	330		4	37.6	77.2
			F	38,946	438	309		3	39.4	82.0
			T	76,567	919	639	437	7	38.5	79.6
	Chilliwack	C	M		431	289		2		
			F		390	289		3		
			T	69,009	821	578	323	5		
LHA 034	Abbotsford		M	63,441	813	486		6	35.7	78.4
			F	63,893	769	447		11	38.0	82.9
			T	127,334	1,582	933	560	18	36.8	80.7
	Abbotsford	C	M		812	486		6		
			F		767	447		11		
			T	126,634	1,579	933	560	18		
LHA 075	Mission		M	19,877	201	124		2	36.2	76.6
			F	19,015	220	98		1	37.0	81.5
			T	38,892	421	222	187	3	36.5	78.9
	Mission	DM	M		180	108		1		
			F		203	87		1		
			T	33,970	383	195	161	2		
LHA 076	Agassiz-Harrison		M	4,694	53	28		-	38.7	76.0
			F	3,916	47	26		1	39.3	82.2
			T	8,610	100	54	118	1	39.0	78.7
	Harrison Hot Springs	VL	M		10	6		-		
			F		6	5		-		
			T	1,533	16	11	71	-		
	Kent	DM	M		43	22		-		
			F		41	21		1		
			T	5,511	84	43	47	1		
	TOTAL		**M**	**130,130**	**1,583**	**1,023**		**12**	**36.6**	**77.6**
			F	**130,031**	**1,512**	**923**		**16**	**38.4**	**82.3**
			T	**260,161**	**3,095**	**1,946**	**1,344**	**29**	**37.5**	**79.9**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

HSDA 22 FRASER NORTH

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 040 New Westminster		M	28,796	328	235		-	39.2	76.3
		F	29,490	295	277		3	41.6	82.2
		T	58,286	623	512	303	3	40.4	79.3
New Westminster	C	M		328	235		-		
		F		295	277		3		
		T	58,286	623	512	303	3		
LHA 041 Burnaby		M	100,103	1,045	659		2	38.4	79.2
		F	102,863	989	673		5	40.4	83.8
		T	202,966	2,035	1,333	806	9	39.4	81.6
Burnaby	C	M		1,045	659		2		
		F		989	673		5		
		T	202,966	2,035	1,333	806	9		
LHA 042 Maple Ridge		M	43,291	493	268		1	36.1	77.4
		F	43,380	460	225		2	37.4	81.1
		T	86,671	953	493	384	3	36.8	79.3
Maple Ridge	DM	M		402	223		1		
		F		394	193		2		
		T	70,411	796	416	285	3		
Pitt Meadows	DM	M		89	44		-		
		F		66	32		-		
		T	16,001	155	76	96	-		
LHA 043 Coquitlam		M	103,012	1,077	436		6	36.1	79.6
		F	103,504	979	492		9	37.6	83.1
		T	206,516	2,056	928	585	17	36.8	81.4
Anmore	VL	M		7	2		-		
		F		8	1		-		
		T	1,549	15	3	5	-		
Belcarra	VL	M		3	-		-		
		F		3	1		-		
		T	740	6	1	3	-		
Coquitlam	C	M		617	277		5		
		F		539	324		2		
		T	121,463	1,156	601	380	7		
Port Coquitlam	C	M		300	111		1		
		F		286	109		4		
		T	56,114	586	220	105	6		
Port Moody	C	M		150	46		-		
		F		143	57		3		
		T	26,613	293	103	92	4		
TOTAL		**M**	**275,202**	**2,943**	**1,598**		**9**	**37.2**	**78.7**
		F	**279,237**	**2,723**	**1,667**		**19**	**39.0**	**83.0**
		T	**554,439**	**5,667**	**3,266**	**2,078**	**32**	**38.1**	**80.9**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

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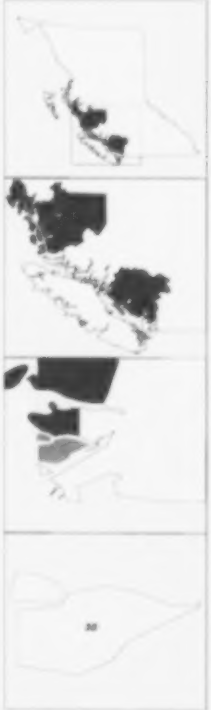


Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
HSDA 23 FRASER SOUTH									
LHA 035 Langley		M	59,394	624	432		3	38.0	78.4
		F	60,594	605	396		3	39.8	83.2
		T	119,988	1,229	828	627	6	38.9	80.9
Langley	C	M		137	129		1		
		F		129	128		2		
		T	24,915	266	257	170	3		
Langley	DM	M		486	298		2		
		F		476	264		1		
		T	94,524	962	562	455	3		
LHA 037 Delta		M	50,840	512	305		2	37.9	79.4
		F	51,522	446	332		2	38.7	83.3
		T	102,362	958	637	255	4	38.3	81.5
Delta	DM	M		510	304		2		
		F		445	331		2		
		T	101,843	955	635	255	4		
LHA 201 Surrey		M	163,590	2,296	810		11	34.8	77.2
		F	162,213	2,139	717		14	36.8	83.7
		T	325,803	4,435	1,527	1,008	25	35.8	80.6
Surrey	C	M		2,509	1,073		12		
		F		2,362	996		15		
		T	383,831	4,871	2,069	1,367	27		
LHA 202 South Surrey/ White Rock		M	37,077	273	399		2	43.9	79.3
		F	40,997	285	463		3	48.2	84.4
		T	78,074	558	862	466	5	46.1	82.0
White Rock	C	M		60	136		1		
		F		62	184		2		
		T	19,735	122	320	102	3		
TOTAL		**M**	**310,901**	**3,705**	**1,946**		**18**	**39.1**	**78.2**
		F	**315,326**	**3,475**	**1,908**		**22**	**38.1**	**83.6**
		T	**626,227**	**7,180**	**3,854**	**2,356**	**40**	**38.4**	**81.0**
HA 02 FRASER TOTAL		**M**	**716,233**	**8,231**	**4,567**		**39**	**37.0**	**78.3**
		F	**724,594**	**7,710**	**4,498**		**57**	**39.0**	**83.1**
		T	**1,440,827**	**15,942**	**9,066**	**5,778**	**101**	**38.0**	**80.8**
HSDA 31 RICHMOND									
LHA 038 Richmond		M	84,116	790	466		11	38.4	82.0
		F	88,598	763	413		6	40.4	85.2
		T	172,714	1,553	879	988	17	39.5	83.7
Richmond	C	M		790	466		11		
		F		763	413		6		
		T	172,714	1,553	879	988	17		
TOTAL		**M**	**84,116**	**790**	**466**		**11**	**38.4**	**82.0**
		F	**88,598**	**763**	**413**		**6**	**40.4**	**85.2**
		T	**172,714**	**1,553**	**879**	**988**	**17**	**39.5**	**83.7**

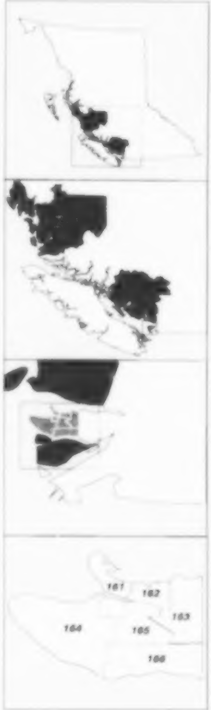
APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

HSDA 32 VANCOUVER

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type¹	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 161 Vancouver - City Centre		M	51,997	448	336		3	39.0	76.6
		F	50,397	373	322		3	40.0	82.8
		T	102,394	821	658	1,314	7	39.5	79.7
LHA 162 Vancouver - Downtown Eastside		M	28,511	225	333		7	40.6	69.4
		F	23,994	232	186		1	40.7	80.2
		T	52,505	457	519	516	8	40.6	73.6
LHA 163 Vancouver- North East		M	49,191	578	289		2	37.6	79.2
		F	50,054	499	288		5	39.4	83.6
		T	99,245	1,077	577	429	7	38.5	81.4
LHA 164 Vancouver - Westside		M	59,140	512	323		4	37.7	81.4
		F	64,826	519	382		6	40.1	84.9
		T	123,966	1,031	705	1,219	10	39.0	83.3
LHA 165 Vancouver - Midtown		M	43,354	500	237		1	37.3	78.3
		F	44,522	471	255		3	39.1	83.6
		T	87,876	971	492	398	4	38.2	81.0
LHA 166 Vancouver - South		M	61,524	659	374		6	38.3	80.7
		F	65,664	625	425		3	40.6	84.6
		T	127,188	1,284	799	398	9	39.5	82.7
TOTAL		**M**	**293,717**	**2,923**	**1,893**		**24**	**38.3**	**78.1**
		F	**299,457**	**2,719**	**1,859**		**21**	**40.0**	**83.7**
		T	**593,174**	**5,642**	**3,752**	**4,274**	**46**	**39.1**	**80.9**



HSDA 33 NORTH SHORE/COAST GARIBALDI

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type¹	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 044 North Vancouver		M	65,840	688	360		4	38.6	80.3
		F	69,300	661	423		2	40.6	83.3
		T	135,140	1,349	783	485	6	39.6	81.9
North Vancouver	C	M		425	215		3		
		F		384	244		1		
		T	47,074	809	459	327	4		
North Vancouver	DM	M		251	143		1		
		F		269	173		1		
		T	86,334	520	316	155	2		
LHA 045 West Vancouver- Bowen Island		M	24,193	154	213		-	43.5	82.3
		F	26,947	125	270		-	45.9	85.0
		T	51,140	279	483	285	-	44.7	83.8
Bowen Island	IM	M		18	8		-		
		F		18	5		-		
		T	3,344	36	13	29	-		
Lions Bay	VL	M		9	3		-		
		F		8	-		-		
		T	1,417	17	3	6	-		
West Vancouver	DM	M		110	187		-		
		F		90	258		-		
		T	43,867	200	445	244	-		
LHA 046 Sunshine Coast		M	13,487	69	129		1	41.9	78.4
		F	14,180	87	148		1	42.7	82.3
		T	27,667	156	277	168	2	42.3	80.3
Gibsons	T	M		24	37		-		
		F		35	50		-		
		T	4,205	59	87	55	-		
Sechelt/ Sechelt Indian Gov. Dist.	DM/ IGD	M		23	53		1		
		F		33	75		-		
		T	9,316	56	128	57	1		

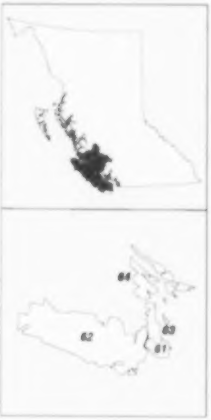
APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type[1]	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 047 Powell River		M	10,331	65	104		-	41.1	78.1
		F	10,095	69	85		-	42.6	81.9
		T	20,426	134	189	75	-	41.8	80.0
Powell River	DM	M		42	79		-		
		F		55	60		-		
		T	13,680	97	139	50	-		
LHA 048 Howe Sound		M	16,684	193	66		-	34.7	77.6
		F	14,982	216	36		2	34.7	82.7
		T	31,666	409	102	443	2	34.7	80.0
Pemberton	VL	M		25	4		-		
		F		32	5		-		
		T	2,204	57	9	21	-		
Squamish	DM	M		93	53		-		
		F		118	25		2		
		T	15,390	211	78	78	2		
Whistler	RM	M		45	5		-		
		F		45	3		-		
		T	9,754	90	8	291	-		
LHA 049 Bella Coola Valley		M	1,770	30	8		-	34.2	70.8
		F	1,581	17	4		1	35.0	82.4
		T	3,351	47	12	12	1	34.5	75.6
LHA 083 Central Coast		M	891	14	4		-	35.0	68.4
		F	801	8	5		-	34.1	70.2
		T	1,692	22	9	9	-	34.6	69.3
TOTAL		**M**	**133,196**	**1,213**	**884**		**5**	**39.5**	**79.9**
		F	**137,886**	**1,183**	**971**		**6**	**41.2**	**83.3**
		T	**271,082**	**2,396**	**1,855**	**1,477**	**11**	**40.4**	**81.7**
HA 03 VANCOUVER COASTAL TOTAL		**M**	**511,029**	**4,926**	**3,243**		**40**	**38.6**	**79.2**
		F	**525,941**	**4,665**	**3,243**		**33**	**40.4**	**83.8**
		T	**1,036,970**	**9,591**	**6,486**	**6,739**	**74**	**39.5**	**81.6**

HSDA 41 SOUTH VANCOUVER ISLAND



Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type[1]	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 061 Greater Victoria		M	100,541	922	953		13	40.4	78.0
		F	111,517	855	1,188		2	43.6	82.5
		T	212,058	1,777	2,141	1,422	15	42.1	80.4
Esquimalt	DM	M		85	70		-		
		F		71	71		-		
		T	17,038	156	141	133	-		
Oak Bay	DM	M		43	107		-		
		F		46	127		-		
		T	18,357	89	234	138	-		
Victoria	C	M		332	466		9		
		F		319	644		1		
		T	77,538	651	1,110	817	10		
View Royal	T	M		57	24		1		
		F		42	20		-		
		T	8,045	99	44	39	1		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 062 Sooke		M	28,808	277	153		1	37.0	78.7
		F	28,639	313	164		-	38.1	82.1
		T	57,447	590	317	376	1	37.6	80.4
Colwood	C	M		74	44		1		
		F		72	57		-		
		T	14,825	146	101	135	1		
Highlands	DM	M		7	3		-		
		F		11	2		-		
		T	1,962	18	5	12	-		
Langford	DM	M		127	51		-		
		F		137	58		-		
		T	20,901	264	109	62	-		
Metchosin	DM	M		17	14		-		
		F		11	9		-		
		T	5,272	28	23	34	-		
Sooke	DM	M		46	36		-		
		F		81	36		-		
		T	9,730	127	72	129	-		
LHA 063 Saanich		M	30,198	191	324		2	44.0	80.9
		F	32,198	202	292		1	46.0	84.2
		T	62,396	393	616	341	3	45.1	82.6
Central Saanich	DM	M		54	73		-		
		F		78	76		1		
		T	16,451	132	149	68	1		
North Saanich	DM	M		20	34		1		
		F		23	29		-		
		T	11,103	43	63	99	1		
Saanich	DM	M		456	390		3		
		F		414	412		1		
		T	109,639	870	802	386	4		
Sidney	T	M		35	98		-		
		F		36	84		-		
		T	11,495	71	182	62	-		
LHA 064 Gulf Islands		M	7,006	32	83		-	45.7	78.5
		F	7,616	43	61		-	47.0	84.7
		T	14,622	75	144	207	-	46.3	81.6
TOTAL		**M**	**166,553**	**1,422**	**1,513**		**16**	**40.7**	**78.8**
		F	**179,970**	**1,413**	**1,705**		**3**	**43.3**	**82.9**
		T	**346,523**	**2,835**	**3,218**	**2,346**	**19**	**42.0**	**80.9**

HSDA 42 CENTRAL VANCOUVER ISLAND

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 065 Cowichan		M	26,650	260	237		2	39.6	78.0
		F	27,430	241	237		-	40.8	81.8
		T	54,080	501	474	316	2	40.2	79.9
Duncan	C	M		34	50		-		
		F		27	70		-		
		T	4,871	61	120	29	-		
North Cowichan	DM	M		132	138		-		
		F		110	133		-		
		T	28,065	242	271	135	-		
LHA 066 Lake Cowichan		M	3,240	23	30		-	39.8	79.2
		F	3,096	27	17		-	39.2	83.3
		T	6,336	50	47	15	-	39.5	81.1
Lake Cowichan	T	M		15	22		-		
		F		22	12		-		
		T	2,978	37	34	11	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type[1]	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 067 Ladysmith		M	8,368	73	94		-	42.1	76.6
		F	8,571	64	96		1	43.4	81.3
		T	16,939	137	190	111	1	42.8	78.9
Ladysmith	T	M		41	41		-		
		F		35	42		1		
		T	7,111	76	83	34	1		
LHA 068 Nanaimo		M	46,963	437	418		5	39.7	77.7
		F	49,200	386	432		3	41.1	81.2
		T	96,163	823	850	437	8	40.4	79.5
Lantzville	DM	M		18	17		-		
		F		11	4		-		
		T	3,763	29	21	45	-		
Nanaimo	C	M		364	356		5		
		F		330	391		3		
		T	78,271	694	747	316	8		
LHA 069 Qualicum		M	20,384	107	221		1	45.4	78.4
		F	21,404	116	218		-	47.2	83.4
		T	41,788	223	439	285	1	46.3	80.9
Parksville	C	M		29	85		1		
		F		33	97		-		
		T	11,245	62	182	122	1		
Qualicum Beach	T	M		9	39		-		
		F		12	43		-		
		T	7,383	21	82	51	-		
LHA 070 Alberni		M	16,361	155	165		2	39.2	76.1
		F	15,794	137	140		-	39.9	80.1
		T	32,155	292	305	404	3	39.5	78.1
Port Alberni	C	M		81	104		2		
		F		85	109		-		
		T	18,490	166	213	75	3		
Tofino	DM	M		13	7		-		
		F		14	2		-		
		T	1,711	27	9	235	-		
Ucluelet	DM	M		15	10		-		
		F		5	5		-		
		T	1,847	20	15	44	-		
TOTAL		**M**	**121,966**	**1,055**	**1,165**		**10**	**40.7**	**77.6**
		F	**125,495**	**971**	**1,140**		**4**	**42.1**	**81.6**
		T	**247,461**	**2,026**	**2,305**	**1,568**	**15**	**41.4**	**79.6**

HSDA 43 NORTH VANCOUVER ISLAND

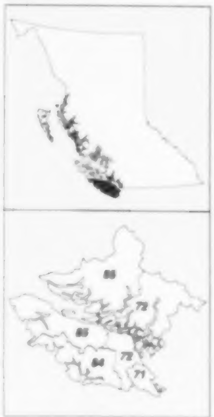
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type[1]	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 071 Courtenay		M	29,596	261	266		-	40.1	77.6
		F	30,452	204	235		5	41.3	82.9
		T	60,048	465	501	341	5	40.7	80.2
Comox	T	M		44	65		-		
		F		32	57		-		
		T	12,394	76	122	79	-		
Courtenay	C	M		116	105		-		
		F		96	88		3		
		T	21,068	212	193	122	3		
Cumberland	VL	M		22	18		-		
		F		14	22		2		
		T	2,760	36	40	10	2		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 072 Campbell River		M	20,304	160	136		-	38.3	76.7
		F	19,821	166	111		2	38.6	82.6
		T	40,125	326	247	203	2	38.4	79.5
Campbell River	DM	M		127	114		-		
		F		138	97		2		
		T	30,170	265	211	128	2		
Sayward	VL	M		4	2		-		
		F		3	1		-		
		T	403	7	3	3	-		
LHA 084 Vancouver Island West		M	1,331	22	3		-	33.4	74.3
		F	1,163	14	7		-	32.4	74.9
		T	2,494	36	10	5	-	32.9	77.0
Gold River	VL	M		11	1		-		
		F		9	4		-		
		T	1,429	20	5	3	-		
Tahsis	VL	M		3	-		-		
		F		1	1		-		
		T	593	4	1	2	-		
LHA 085 Vancouver Island North		M	7,303	74	39		-	35.6	76.1
		F	6,626	77	19		-	33.9	78.8
		T	13,929	151	58	37	-	34.8	77.3
Alert Bay	VL	M		5	2		-		
		F		11	3		-		
		T	611	16	5	1	-		
Port Alice	VL	M		5	4		-		
		F		3	1		-		
		T	1,203	8	5	4	-		
Port Hardy	DM	M		40	18		-		
		F		36	8		-		
		T	4,581	76	26	11	-		
Port McNeill	T	M		15	7		-		
		F		18	5		-		
		T	2,900	33	12	10	-		
Zeballos	VL	M		4	2		-		
		F		1	2		-		
		T	232	5	4	-	-		
TOTAL		**M**	**58,534**	**517**	**444**		**-**	**38.7**	**77.2**
		F	**58,062**	**461**	**372**		**7**	**39.3**	**82.2**
		T	**116,596**	**978**	**816**	**586**	**7**	**39.0**	**79.6**
HA 04 VANCOUVER ISLAND TOTAL		**M**	**347,053**	**2,994**	**3,122**		**26**	**40.4**	**78.1**
		F	**363,527**	**2,845**	**3,217**		**14**	**42.2**	**82.4**
		T	**710,580**	**5,839**	**6,339**	**4,500**	**41**	**41.3**	**80.3**



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

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Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
HSDA 51 NORTHWEST									
LHA 050 Queen Charlotte		M	2,767	29	19		-	37.1	79.1
		F	2,454	36	8		-	36.6	84.3
		T	5,221	65	27	17	-	36.9	80.3
Masset	VL	M		10	8		-		
		F		14	6		-		
		T	965	24	14	8	-		
Port Clements	VL	M		2	2		-		
		F		4	-		-		
		T	533	6	2	-	-		
LHA 051 Snow Country		M	430	3	3		-	37.5	72.3
		F	372	2	1		-	35.4	79.9
		T	802	5	4	5	-	36.5	75.6
Stewart	DM	M		3	2		-		
		F		2	1		-		
		T	715	5	3	5	-		
LHA 052 Prince Rupert		M	8,547	96	57		-	34.4	74.5
		F	8,117	77	35		-	34.5	80.4
		T	16,664	173	92	38	-	34.4	77.3
Port Edward	DM	M		5	3		-		
		F		-	-		-		
		T	658	5	3	3	-		
Prince Rupert	C	M		81	48		-		
		F		69	33		-		
		T	15,020	150	81	34	-		
LHA 053 Upper Skeena		M	2,999	36	12		-	33.7	76.8
		F	2,736	34	10		-	32.8	81.0
		T	5,735	70	22	23	-	33.3	78.5
Hazelton	VL	M		15	8		-		
		F		19	5		-		
		T	354	34	13	11	-		
New Hazelton	DM	M		10	3		-		
		F		10	3		-		
		T	763	20	6	6	-		
LHA 054 Smithers		M	9,290	119	40		-	34.4	76.9
		F	8,707	102	35		-	34.0	80.9
		T	17,997	221	75	85	-	34.2	78.9
Houston	DM	M		37	11		-		
		F		26	5		-		
		T	3,666	63	16	12	-		
Smithers	T	M		48	23		-		
		F		45	22		-		
		T	5,637	93	45	47	-		
Telkwa	VL	M		13	3		-		
		F		9	3		-		
		T	1,417	22	6	8	-		
LHA 080 Kitimat		M	6,054	47	32		-	35.1	78.0
		F	5,518	46	20		-	35.5	80.0
		T	11,572	93	52	37	-	35.3	79.0
Kitimat	DM	M		38	28		-		
		F		40	19		-		
		T	10,449	78	47	34	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 087 Stikine		M	630	2	3		-	38.2	72.3
		F	589	2	2		-	37.4	79.9
		T	1,219	4	5	8	-	37.8	75.6
LHA 088 Terrace		M	11,475	125	60		-	34.6	75.9
		F	10,851	120	40		2	34.4	81.1
		T	22,326	245	100	88	2	34.5	78.2
Terrace	C	M		82	39		-		
		F		72	31		-		
		T	12,565	154	70	50	-		
LHA 092 Nisga'a		M	1,014	11	4		-	31.9	73.8
		F	844	15	5		-	32.1	72.5
		T	1,858	26	9	6	-	32.0	73.0
LHA 094 Telegraph Creek		M	345	6	2		-	31.5	72.3
		F	291	2	-		-	32.2	79.9
		T	636	8	2	3	-	31.8	75.6
TOTAL		**M**	**43,551**	**474**	**232**		**-**	**34.7**	**76.0**
		F	**40,479**	**436**	**156**		**2**	**34.5**	**80.8**
		T	**84,030**	**910**	**388**	**310**	**2**	**34.6**	**78.2**
HSDA 52 NORTHERN INTERIOR									
LHA 028 Quesnel		M	13,094	109	86		3	37.1	76.7
		F	12,672	116	66		1	37.2	80.6
		T	25,766	225	152	94	4	37.2	78.4
Quesnel	C	M		52	45		3		
		F		56	29		-		
		T	10,417	108	74	55	3		
Wells	DM	M		1	1		-		
		F		3	-		-		
		T	261	4	1	-	-		
LHA 055 Burns Lake		M	4,045	35	31		-	36.3	77.1
		F	3,772	56	21		-	35.9	83.2
		T	7,817	91	52	38	-	36.1	79.9
Burns Lake	VL	M		34	29		-		
		F		50	18		-		
		T	2,016	84	47	33	-		
Granisle	VL	M		1	1		-		
		F		3	2		-		
		T	366	4	3	2	-		
LHA 056 Nechako		M	9,191	96	51		1	34.3	75.2
		F	8,515	124	37		2	33.7	80.3
		T	17,706	220	88	72	3	34.0	77.5
Fort St. James	DM	M		29	12		-		
		F		44	8		1		
		T	1,999	73	20	19	1		
Fraser Lake	VL	M		10	2		1		
		F		10	5		-		
		T	1,366	20	7	8	1		
Vanderhoof	DM	M		49	32		-		
		F		61	21		1		
		T	4,649	110	53	38	1		
LHA 057 Prince George		M	52,392	533	306		6	35.3	76.6
		F	50,079	501	243		2	35.1	80.1
		T	102,471	1,034	549	438	9	35.2	78.3

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
Mackenzie	DM	M		30	10		1		
		F		22	5		-		
		T	5,444	52	15	16	1		
McBride	VL	M		11	3		-		
		F		6	7		-		
		T	741	17	10	6	-		
Prince George	C	M		417	249		5		
		F		411	205		2		
		T	77,721	828	454	338	8		
Valemount	VL	M		3	7		-		
		F		2	1		-		
		T	1,244	5	8	16	-		
TOTAL		**M**	**78,722**	**773**	**474**		**10**	**35.5**	**76.5**
		F	**75,038**	**797**	**367**		**5**	**35.3**	**80.4**
		T	**153,760**	**1,570**	**841**	**642**	**16**	**35.4**	**78.3**

HSDA 53 NORTHEAST

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
LHA 059 Peace River South		M	14,127	134	88		3	35.1	75.0
		F	13,573	138	68		-	34.8	80.9
		T	27,700	272	156	113	3	34.9	77.7
Chetwynd	DM	M		29	11		2		
		F		30	5		-		
		T	2,722	59	16	15	2		
Dawson Creek	C	M		66	40		1		
		F		75	36		-		
		T	11,290	141	76	51	1		
Pouce Coupe	VL	M		9	14		-		
		F		5	17		-		
		T	862	14	31	4	-		
Tumbler Ridge	DM	M		5	8		-		
		F		7	1		-		
		T	2,461	12	9	8	-		
LHA 060 Peace River North		M	16,610	264	67		3	33.0	78.0
		F	15,345	233	67		5	33.0	82.1
		T	31,955	497	134	143	8	33.0	79.9
Fort St. John	C	M		164	43		2		
		F		136	56		4		
		T	17,280	300	99	70	6		
Hudson's Hope	DM	M		8	3		-		
		F		3	1		-		
		T	1,156	11	4	5	-		
Taylor	DM	M		13	4		-		
		F		14	1		1		
		T	1,287	27	5	5	1		
LHA 081 Fort Nelson		M	3,520	48	8		-	30.9	76.8
		F	3,047	61	2		-	30.2	81.2
		T	6,567	109	10	21	-	30.6	78.9
Fort Nelson	T	M		45	8		-		
		F		60	2		-		
		T	4,694	105	10	21	-		
TOTAL		**M**	**34,257**	**446**	**163**		**6**	**33.6**	**76.4**
		F	**31,965**	**432**	**137**		**5**	**33.5**	**81.5**
		T	**66,222**	**878**	**300**	**277**	**11**	**33.6**	**78.7**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

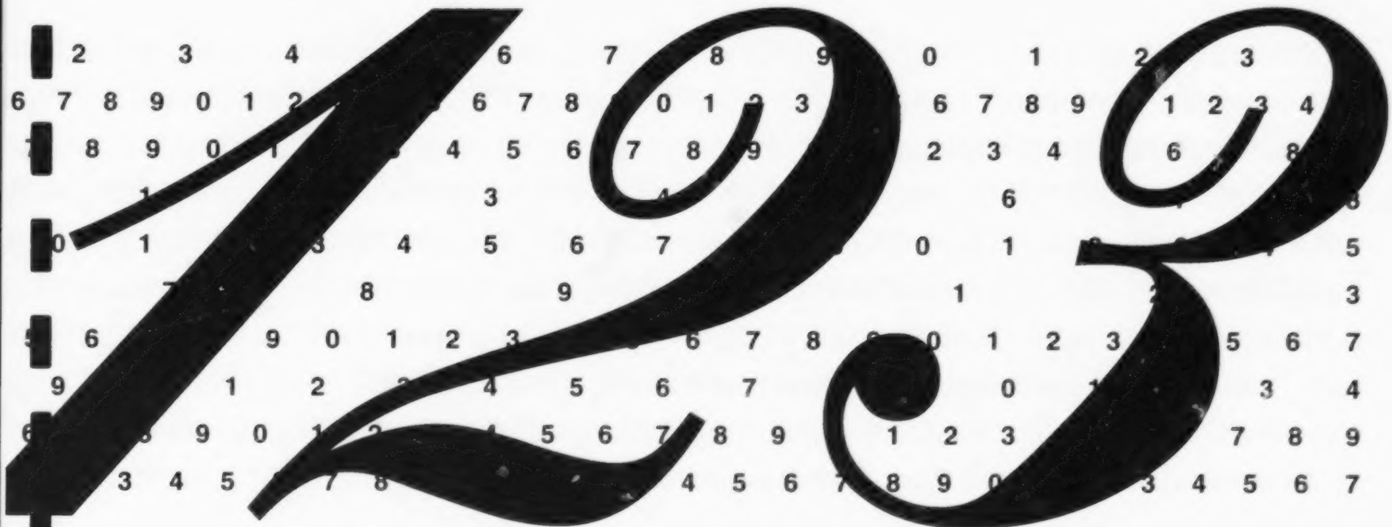
BRITISH COLUMBIA, 2004

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2000-2004)
HA 05 NORTHERN TOTAL		**M**	**156,530**	**1,693**	**869**		**16**	**34.9**	**76.3**
		F	**147,482**	**1,665**	**660**		**12**	**34.7**	**80.7**
		T	**304,012**	**3,358**	**1,529**	**1,229**	**29**	**34.8**	**78.4**
HA 06 PROVINCIAL HEALTH SERVICE AUTHORITY (PROVINCIAL TOTAL)		**M**	**2,079,473**	**20,711**	**15,112**		**143**	**38.3**	**78.2**
		F	**2,116,910**	**19,606**	**14,539**		**129**	**40.0**	**82.9**
		T	**4,196,383**	**40,318**	**29,652**	**22,073**	**280**	**39.2**	**80.6**

Note: Live births, stillbirths and deaths are assigned to communities based on the postal code of usual residence.
Marriages are assigned according to the place where the marriage ceremony was performed, and include non-residents.
Totals for gender include cases with unknown gender.
Population estimates and average age (2004) and life expectancy (2000–2004) from BCSTATS, Ministry of Management Services.
Local Health Areas 051, 087, and 094 were too small to calculate life expectancy and were combined to have a common life expectancy.
† C=City, T=Town, VL=Village, DM=District Municipality, IGD=Indian Government District, IM=Island Municipality, RM=Resort Municipality.
HSDA 32 Vancouver may include unspecified Vancouver addresses.
Some communities span the boundaries of more than one LHA. When this occurs, the community is shown under the LHA containing the larger portion of the population.

Appendix 2

DETAILED CAUSE OF DEATH BY GENDER AND AGE



Preamble to Appendix 2

Appendix 2 provides detailed causes of death by gender and age group for deaths that occurred in British Columbia to provincial residents in the current year. Causes of death are coded according to the World Health Organization's International Classification of Diseases, tenth revision (ICD-10). ICD-10 defines the underlying cause of death as "(a) the disease or injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury." ICD-10 codes consist of a letter followed by a two-digit number, and sometimes include a third digit to provide more specificity. In this appendix, the ICD-10 codes have been summed to the letter plus two-digit level and are presented only where there were at least five deaths from the specified cause.

The list below provides a summary of ICD-10 codes, including many of the subgroups used for underlying causes of death in this report:

Cause of Death Category	**ICD-10 Code(s)**
Certain infectious and parasitic diseases	A00-B99
Tuberculosis	A15-A19, B90
HIV disease	B20-B24
Neoplasms	C00-D48
Malignant neoplasms	C00-C97
Malignant neoplasm of colon and rectum	C18-C21
Malignant neoplasm of lung	C34
Malignant neoplasm of female breast	C500-C509
Diseases of blood and blood-forming organs and disorders involving the immune mechanism	D50-D89
Endocrine, nutritional, and metabolic diseases	E00-E90
Diabetes mellitus	E10-E14
Mental and behavioural disorders	F00-F99
Vascular/senile dementia	F01, F03
Psychoactive substance and drug use/abuse	F11-F16, F19
Diseases of the nervous system	G00-G99
Alzheimer's disease	G30
Diseases of the eye and adnexa	H00-H59
Diseases of the ear and mastoid process	H60-H95
Diseases of the circulatory system	I00-I99
Cardiovascular disease	I00-I51
Ischemic heart diseases	I20-I25
Cerebrovascular diseases	I60-I69
Atherosclerosis	I70
Diseases of the respiratory system	J00-J99
Pneumonia/Influenza (excluding hypostatic)	J10-J181, J188, J189
Chronic Pulmonary Disease	J40-J44
Asthma	J45-J46
Diseases of the digestive system	K00-K93
Diseases of liver	K70-K76
Chronic liver disease/cirrhosis	K70, K73-74, K760-K761
Diseases of the skin and subcutaneous tissue	L00-L99
Diseases of the musculoskeletal system and connective tissue	M00-M99
Diseases of the genitourinary system	N00-N99

Complications of pregnancy, childbirth, and the puerperium	O00-O99
Certain conditions originating in the perinatal period	P00-P96
Congenital malformations and chromosome abnormalities	Q00-Q99
Symptoms, signs and abnormal finding, unknown causes	R00-R99
Sudden infant death syndrome (SIDS)	R95
Cause of death unknown or pending	R96-R99
External causes	V01-Y98
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850
Other transport accidents	V01, V05-V06, V10-V11, V15-V18, V198-V199, V800-V802, V806-V809, V812-V819, V822-V829, V891, V893, V91, V93-V99, Y859
Accidental drowning (including water transport)	V90, V92, W65-W74
Accidental falls	W00-W19
Exposure to smoke, fire and flames	X00-X09
Accidental poisoning	X40-X49
Suicide	X60-X84, Y870
Homicide	X85-Y09, Y871

APPENDIX 2
DETAILED CAUSE OF DEATH BY GENDER AND AGE
BRITISH COLUMBIA, 2004

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
A04	Other bacterial intestinal infections	M	-	-	-	-	-	-	1	2	12	12	27
		F	-	-	-	-	-	-	2	-	8	24	34
A08	Viral and other specified intestinal infections	M	-	-	-	-	-	-	-	-	1	4	5
		F	-	-	-	-	-	-	-	1	1	9	11
A16	Respiratory tuberculosis	M	-	-	-	-	-	-	-	3	2	3	8
		F	-	-	-	-	-	-	-	-	2	4	6
A39	Meningococcal infection	M	-	-	-	-	-	-	3	1	-	-	4
		F	-	-	-	1	1	-	-	1	-	-	3
A41	Other septicemia	M	1	-	-	-	-	-	5	15	31	44	96
		F	-	-	-	-	-	-	2	5	33	58	98
A49	Bacterial infection of unspecified site	M	-	-	-	-	-	-	1	1	2	-	4
		F	-	-	-	-	-	-	-	2	2	2	6
A81	Atypical virus infections of central nervous system	M	-	-	-	-	-	-	-	1	2	-	3
		F	-	-	-	-	-	-	-	-	1	2	3
B18	Chronic viral hepatitis	M	-	-	-	-	-	-	4	47	14	1	66
		F	-	-	-	-	-	-	3	13	7	4	27
B20	HIV resulting in infectious and parasitic diseases	M	-	-	-	-	-	-	15	25	3	-	43
		F	-	-	-	-	-	-	7	5	-	-	12
B21	HIV resulting in malignant neoplasms	M	-	-	-	-	-	-	6	9	-	-	15
		F	-	-	-	-	-	-	1	1	-	-	2
B22	HIV resulting in other specified diseases	M	-	-	-	-	-	-	1	6	-	-	7
		F	-	-	-	-	-	-	2	-	1	-	3
B23	HIV disease resulting in other conditions	M	-	-	-	-	-	-	6	5	-	1	12
		F	-	-	-	-	-	-	1	-	-	-	1
B24	Unspecified HIV disease	M	-	-	-	-	-	-	6	3	-	-	9
		F	-	-	-	-	-	-	1	-	-	-	1
B34	Viral infection of unspecified site	M	1	-	-	-	-	1	1	-	-	1	4
		F	-	-	-	-	-	-	-	-	1	6	7
B94	Sequelae of other and unspecified infectious and parasitic diseases	M	-	-	-	-	-	-	-	4	1	3	8
		F	-	-	-	-	-	-	-	-	-	2	2
C02	Malignant neoplasm of other and unspecified parts of tongue	M	-	-	-	-	-	-	2	8	5	1	16
		F	-	-	-	-	-	-	1	5	6	7	19
C04	Malignant neoplasm of floor of mouth	M	-	-	-	-	-	-	-	1	3	-	4
		F	-	-	-	-	-	-	-	-	-	1	1
C06	Malignant neoplasm of other and unspecified parts of mouth	M	-	-	-	-	-	-	-	5	5	1	11
		F	-	-	-	-	-	-	-	-	3	9	12
C07	Malignant neoplasm of parotid gland	M	-	-	-	-	-	-	-	2	-	7	9
		F	-	-	-	-	-	-	-	-	-	3	3
C08	Malignant neoplasm of other and unspecified major salivary glands	M	-	-	-	-	-	-	-	3	1	-	4
		F	-	-	-	-	-	-	-	1	-	-	1
C09	Malignant neoplasm of tonsil	M	-	-	-	-	-	-	-	5	1	2	8
		F	-	-	-	-	-	-	-	-	2	1	3
C10	Malignant neoplasm of oropharynx	M	-	-	-	-	-	-	-	3	4	2	9
		F	-	-	-	-	-	-	-	1	1	-	2
C11	Malignant neoplasm of nasopharynx	M	-	-	-	-	-	1	4	-	5	2	12
		F	-	-	-	-	-	-	1	2	1	-	4
C14	Malignant neop. of other and ill-defined sites in the lip, oral cavity and pharynx	M	-	-	-	-	-	-	-	5	10	3	18
		F	-	-	-	-	-	-	-	1	3	1	5
C15	Malignant neoplasm of esophagus	M	-	-	-	-	-	-	5	56	82	24	167
		F	-	-	-	-	-	-	2	15	34	24	75
C16	Malignant neoplasm of stomach	M	-	-	-	-	-	-	3	26	64	40	133
		F	-	-	-	-	-	-	1	20	29	36	86
C17	Malignant neoplasm of small intestine	M	-	-	-	-	-	-	-	2	5	1	8
		F	-	-	-	-	-	-	-	2	4	2	8
C18	Malignant neoplasm of colon	M	-	-	-	-	-	-	10	88	134	106	338
		F	-	-	-	-	-	-	5	57	101	131	294
C19	Malignant neoplasm of rectosigmoid junction	M	-	-	-	-	-	-	-	4	10	6	20
		F	-	-	-	-	-	-	-	6	6	3	15
C20	Malignant neoplasm of rectum	M	-	-	-	-	-	-	2	13	26	26	67
		F	-	-	-	-	-	-	2	8	21	26	57
C21	Malignant neoplasm of anus and anal canal	M	-	-	-	-	-	-	-	4	-	-	4
		F	-	-	-	-	-	-	-	1	3	-	4

Notes are included at end of appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2004

ICD-10 Cause of Death	Gender	Age of Deceased (in Years)										Total
		<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
C22 Malignant neoplasm of liver and intrahepatic bile ducts	M	-	-	-	-	-	-	11	47	52	34	144
	F	-	-	-	-	-	-	1	17	39	21	78
C23 Malignant neoplasm of gallbladder	M	-	-	-	-	-	-	-	1	5	4	10
	F	-	-	-	-	-	-	-	5	9	12	26
C24 Malignant neoplasm of other and unspecified parts of biliary tract	M	-	-	-	-	-	-	-	1	6	3	10
	F	-	-	-	-	-	-	-	-	9	6	15
C25 Malignant neoplasm of pancreas	M	-	-	-	-	-	-	4	67	132	42	245
	F	-	-	-	-	-	-	2	52	105	91	250
C26 Malignant neoplasm of other and ill-defined digestive organs	M	-	-	-	-	-	-	3	18	44	25	90
	F	-	-	-	-	-	-	1	13	27	54	95
C31 Malignant neoplasm of accessory sinuses	M	-	-	-	-	-	-	-	3	3	1	7
	F	-	-	-	-	-	-	-	-	-	-	-
C32 Malignant neoplasm of larynx	M	-	-	-	-	-	-	1	17	24	3	45
	F	-	-	-	-	-	-	-	2	3	3	8
C34 Malignant neoplasm of bronchus and lung	M	-	-	-	-	-	-	14	272	595	281	1162
	F	-	-	-	-	-	-	10	277	469	270	1026
C38 Malignant neoplasm of heart, mediastinum and pleura	M	-	-	-	-	-	-	1	1	2	2	6
	F	-	-	-	-	-	-	-	-	-	1	1
C41 Malignant neop. of bone and articular cartilage of other and unspecified sites	M	-	-	1	-	1	1	1	1	5	1	11
	F	-	-	-	1	-	-	-	2	3	3	9
C43 Malignant melanoma of skin	M	-	-	-	-	-	-	7	26	32	15	80
	F	-	-	-	-	-	-	4	17	11	16	48
C44 Other malignant neoplasms of skin	M	-	-	-	-	-		-	4	8	12	24
	F	-	-	-	-	-	-	-	2	1	4	7
C45 Mesothelioma	M	-	-	-	-	-	-	-	10	18	12	40
	F	-	-	-	-	-	-	-	1	6	-	7
C48 Malignant neoplasm of peritoneum and retro-peritoneum	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	-	4	6	1	11
C49 Malignant neoplasm of other connective and soft tissue	M	-	-	-	1	-	-	1	7	6	3	18
	F	-	-	-	-	1	1	4	12	8	8	34
C50 Malignant neoplasm of breast	M	-	-	-	-	-	-	-	-	4	2	6
	F	-	-	-	-	-	-	35	203	189	175	602
C51 Malignant neoplasm of vulva	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	1	3	4	8
C53 Malignant neoplasm of cervix uteri	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	9	24	9	n	48
C54 Malignant neoplasm of corpus uteri	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	9	21	23	53
C55 Malignant neoplasm of uterus, part unspecifie	M	-	-	-	-	-	-	-	-	-	-	-
	F		-	-	-	-	-	-	12	9	17	38
C56 Malignant neoplasm of ovary	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	9	75	83	51	218
C61 Malignant neoplasm of prostate	M	-	-	-	-	-	-	-	42	185	292	519
	F	-	-	-	-	-	-	-	-	-	-	-
C62 Malignant neoplasm of testis	M	-	-	-	-	-	-	6	1	1	-	8
	F	-	-	-	-	-	-	-	-	-	-	-
C64 Malignant neoplasm of kidney, except renal pelvis	M	-	-	-	-	-	1	2	25	50	27	105
	F	-	-	-	-	-	-	-	12	22	23	57
C66 Malignant neoplasm of ureter	M	-	-	-	-	-	-	-	1	2	2	5
	F	-	-	-	-	-	-	-	-	2	-	2
C67 Malignant neoplasm of bladder	M	-	-	-	-	-	-	1	22	85	65	173
	F	-	-	-	-	-	-	1	6	17	37	61
C71 Malignant neoplasm of brain	M	-	-	2	-	1	-	11	61	41	12	128
	F	-	-	1	1	1	1	10	31	21	17	83
C73 Malignant neoplasm of thyroid gland	M	-	-	-	-	-	-	-	2	5	3	10
	F	-	-	-	-	-	-	-	2	6	5	13
C74 Malignant neoplasm of adronal gland	M	-	-	-	-	-	-	1	1	2	1	5
	F	-	-	-	1	-	-	-	3	-	3	7
C76 Malignant neoplasm of other and ill-defined sites	M	-	-	-	-	-	-	-	2	7	9	18
	F	-	-	-	-	-	-	-	2	10	17	29
C80 Malignant neoplasm - primary site unknown	M	-	-	-	-	-	-	7	48	87	53	195
	F	-	-	-	-	-	1	1	45	86	86	219

Notes are included at end of appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2004

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
C81	Hodgkin's disease	M	-	-	-	-	-	1	-	1	4	2	8
		F	-	-	-	-	-	-	-	-	3	2	5
C82	Follicular [nodular] non-Hodgkin's lymphoma	M	-	-	-	-	-	-	-	2	1	1	4
		F	-	-	-	-	-	-	-	1	1	1	3
C83	Diffuse non-Hodgkin's lymphoma	M	-	-	-	-	-	-	3	4	13	5	25
		F	-	-	-	-	-	-	-	2	5	4	11
C84	Peripheral and cutaneous T-cell lymphomas	M	-	-	-	-	-	-	-	6	6	-	12
		F	-	-	-	-	-	-	1	3	2	1	7
C85	Other and unspecified types of non-Hodgkin's lymphoma	M	-	-	-	-	-	-	4	42	80	27	153
		F	-	-	-	-	-	1	4	24	39	56	124
C88	Malignant immunoproliferative diseases	M	-	-	-	-	-	-	-	1	5	2	8
		F	-	-	-	-	-	-	-	-	-	1	1
C90	Multiple myeloma and malignant plasma cell neoplasms	M	-	-	-	-	-	-	1	22	43	19	85
		F	-	-	-	-	-	-	3	15	29	27	74
C91	Lymphoid leukemia	M	-	-	-	-	-	1	1	14	24	20	60
		F	-	-	-	-	-	-	1	3	7	20	31
C92	Myeloid leukemia	M	-	-	-	-	2	-	4	12	43	15	76
		F	-	1	-	-	-	-	3	14	20	18	56
C95	Leukemia of unspecified cell type	M	-	-	-	-	-	-	1	8	18	22	49
		F	-	-	-	-	-	-	1	2	16	10	29
D32	Benign neoplasm of meninges	M	-	-	-	-	-	-	-	1	1	1	3
		F	-	-	-	-	-	-	-	-	1	3	4
D37	Neoplasm of uncer./unk. behaviour of oral cavity and digestive organs	M	-	-	-	-	-	-	-	-	2	1	3
		F	-	-	-	-	-	-	-	-	-	2	2
D38	Neoplasm of uncer./unk. behaviour of mid. ear, resp. and intrathoracic organs	M	-	-	-	-	-	-	-	-	3	1	4
		F	-	-	-	-	-	-	-	-	1	2	3
D43	Neoplasm of uncer./unk. behaviour of brain and central nervous system	M	-	-	-	-	-	-	5	11	9	5	30
		F	-	-	1	-	-	1	1	3	8	16	30
D46	Myelodysplastic syndromes	M	-	-	-	-	-	-	-	2	8	16	26
		F	-	-	-	-	-	-	-	1	2	25	28
D47	Neoplasm of uncer./unk. behaviour of lymphoid, hematopoietic and rel. tissue	M	-	-	-	-	-	-	-	3	11	7	21
		F	-	-	-	-	-	-	-	1	2	10	13
D48	Neoplasm of uncer./unk. behaviour of other and unspecified sites	M	-	-	-	-	-	-	-	1	-	1	2
		F	-	-	-	-	-	-	-	-	4	1	5
D64	Other anemias	M	-	-	-	-	-	-	-	-	1	6	7
		F	-	-	-	-	-	-	-	-	4	16	20
D68	Other coagulation defects	M	-	-	-	-	-	-	-	-	2	1	3
		F	-	-	-	-	-	-	-	-	1	1	2
D69	Purpura and other hemorrhagic conditions	M	-	-	-	-	-	-	-	1	2	2	5
		F	-	-	-	-	-	-	-	-	1	4	5
D86	Sarcoidosis	M	-	-	-	-	-	-	-	3	-	-	3
		F	-	-	-	-	-	-	-	-	2	-	2
E03	Other hypothyroidism	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	1	2	10	13
E10	Insulin-dependent diabetes mellitus	M	-	-	-	-	-	-	4	12	18	9	43
		F	-	-	-	-	-	-	-	-	18	14	32
E11	Non-insulin-dependent diabetes mellitus	M	-	-	-	-	-	-	-	12	33	49	94
		F	-	-	-	-	-	-	-	8	34	49	91
E14	Diabetes mellitus NOS	M	-	1	-	-	-	-	10	68	167	174	420
		F	-	-	-	-	-	-	3	32	120	166	321
E46	Unspecified protein-energy malnutrition	M	-	-	-	-	-	-	-	-	2	4	6
		F	-	-	-	-	-	-	-	-	2	11	13
E63	Other nutritional deficiencies	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	4	4
E66	Obesity	M	-	-	-	-	-	-	1	12	6	3	22
		F	-	-	-	-	-	-	-	8	5	4	17
E78	Disorders of lipoprotein metabolism and other lipidemias	M	-	-	-	-	-	-	1	9	11	8	29
		F	-	-	-	-	-	-	-	-	8	8	16
E83	Disorders of mineral metabolism	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	1	2	3
E84	Cystic fibrosis	M	-	-	-	-	2	-	2	-	-	-	4
		F	-	-	1	-	-	-	2	-	-	-	3

Notes are included at end of appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2004

ICD-10 Cause of Death	Gender	Age of Deceased (in Years)										Total
		<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
E85 Amyloidosis	M	-	-	-	-	-	-	1	-	4	3	8
	F	-	-	-	-	-	-	-	1	1	1	3
E86 Volume depletion	M	-	-	-	-	-	-	-	-	4	12	16
	F	-	-	-	-	-	-	-	-	2	24	26
E87 Other disorders of fluid, electrolyte and acid-base balance	M	-	-	-	-	-	-	-	-	3	2	5
	F	-	-	-	-	-	-	-	-	2	9	11
E88 Other metabolic disorders	M	1	1	-	-	-	-	1	2	1	2	8
	F	-	-	-	1	-	-	-	2	-	2	5
F03 Unspecified dementia	M	-	-	-	-	-	-	-	-	47	138	185
	F	-	-	-	-	-	-	-	1	46	365	412
F05 Delirium, not induced by alcohol and other psychoactive substances	M	-	-	-	-	-	-	-	-	2	3	5
	F	-	-	-	-	-	-	-	-	2	4	6
F06 Other mental disord. due to brain damage and dysfunction and phys. dis.	M	-	-	-	-	-	-	-	-	2	3	5
	F	-	-	-	-	-	-	-	1	1	-	2
F10 Mental and behavioural disorders due to use of alcohol	M	-	-	-	-	-	-	9	49	33	6	97
	F	-	-	-	-	-	-	2	23	14	5	44
F14 Use of cocaine	M	-	-	-	-	-	1	1	1	-	-	3
	F	-	-	-	-	-	-	2	1	-	-	3
F19 Multiple drug misuse and misuse of other psychoactive substances	M	-	-	-	-	-	-	3	4	-	-	7
	F	-	-	-	-	-	-	1	4	1	-	6
F20 Schizophrenia	M	-	-	-	-	-	-	-	2	-	1	3
	F	-	-	-	-	-	-	-	1	2	1	4
F32 Depressive episode	M	-	-	-	-	-	-	-	-	-	2	2
	F	-	-	-	-	-	-	-	-	-	6	6
F50 Eating disorders	M	-	-	-	-	-	-	-	-	1	1	2
	F	-	-	-	-	-	-	2	-	-	5	7
G04 Encephalitis, myelitis and encephalomyelitis	M	-	-	-	-	-	-	-	2	2	-	4
	F	-	-	-	-	-	-	-	-	1	-	1
G10 Huntington's disease	M	-	-	-	-	-	-	-	6	3	1	10
	F	-	-	-	-	-	-	-	4	4	1	9
G12 Spinal muscular atrophy and related syndromes	M	-	-	-	-	-	-	5	13	27	14	59
	F	1	-	-	-	-	-	-	10	25	11	47
G20 Parkinson's disease	M	-	-	-	-	-	-	-	2	47	73	122
	F	-	-	-	-	-	-	-	-	27	55	82
G30 Alzheimer's disease	M	-	-	-	-	-	-	-	1	41	144	186
	F	-	-	-	-	-	-	1	3	48	327	379
G31 Other degenerative diseases of nervous system, NEC	M	-	-	-	-	-	-	-	5	10	8	23
	F	-	-	1	-	-	-	-	5	9	12	27
G35 Multiple sclerosis	M	-	-	-	-	-	-	5	15	5	2	27
	F	-	-	-	-	-	-	3	12	11	6	32
G40 Epilepsy	M	-	-	-	-	-	1	1	8	-	-	10
	F	-	-	-	-	-	-	-	1	3	1	5
G45 Transient cerebral ischemic attacks and related syndromes	M	-	-	-	-	-	-	-	-	1	3	4
	F	-	-	-	-	-	-	-	-	-	9	9
G47 Sleep disorders	M	-	-	-	-	-	-	-	1	-	1	2
	F	-	-	-	-	-	-	-	2	1	-	3
G62 Other polyneuropathies	M	-	-	-	-	-	-	-	1	3	1	5
	F	1	-	-	-	-	-	-	-	-	2	3
G70 Other myoneural disorders	M	-	-	-	-	-	-	-	-	1	-	1
	F	1	-	-	-	-	-	-	-	1	4	6
G71 Primary disorders of muscles	M	-	-	-	-	-	1	2	-	2	-	5
	F	-	-	-	-	-	1	-	1	3	-	5
G80 Infantile cerebral palsy	M	-	-	2	-	-	1	2	-	-	-	5
	F	-	-	1	-	1	1	-	-	1	-	4
G82 Paraplegia and tetraplegia	M	-	-	-	-	-	-	1	3	-	-	4
	F	-	-	-	-	-	-	1	-	-	1	2
G91 Hydrocephalus (acquired)	M	-	-	-	-	-	-	-	-	2	-	2
	F	-	-	-	-	-	-	-	-	1	2	3
G93 Other disorders of brain	M	-	-	-	-	-	-	1	5	14	6	26
	F	-	-	-	-	-	-	1	1	8	1	11
I05 Rheumatic mitral valve diseases	M	-	-	-	-	-	-	-	3	3	4	10
	F	-	-	-	-	-	-	-	3	7	9	19

Notes are included at end of appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2004

ICD-10 Cause of Death		Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
I08	Multiple valve diseases	M	-	-	-	-	-	-	-	1	1	2	4
		F	-	-	-	-	-	-	-	1	2	4	7
I09	Other rheumatic heart diseases	M	-	-	-	-	-	-	-	-	2	3	5
		F	-	-	-	-	-	-	-	-	2	1	3
I10	Essential (primary) hypertension	M	-	-	-	-	-	-	1	16	23	19	59
		F	-	-	-	-	-	-	-	5	20	66	91
I11	Hypertensive heart disease	M	-	-	-	-	-	-	3	4	9	18	34
		F	-	-	-	-	-	-	1	-	12	57	70
I12	Hypertensive renal disease	M	-	-	-	-	-	-	-	1	10	18	29
		F	-	-	-	-	-	-	-	3	4	31	38
I13	Hypertensive heart and renal disease	M	-	-	-	-	-	-	-	-	2	4	6
		F	-	-	-	-	-	-	-	-	2	4	6
I20	Angina pectoris	M	-	-	-	-	-	-	-	-	3	1	4
		F	-	-	-	-	-	-	-	1	2	11	14
I21	Acute MI	M	-	-	-	-	-	1	22	228	453	578	1282
		F	-	-	-	-	-	-	7	68	241	700	1016
I24	Other acute ischemic heart diseases	M	-	-	-	-	-	-	5	5	7	15	32
		F	-	-	-	-	-	-	1	3	4	14	22
I25	Chronic ischemic heart disease	M	-	-	-	-	-	1	9	149	367	569	1095
		F	-	-	-	-	-	-	3	34	176	741	954
I26	Pulmonary embolism	M	-	-	-	-	-	-	1	6	9	13	29
		F	-	-	-	-	-	1	4	9	15	18	47
I27	Other pulmonary heart diseases	M	-	-	-	-	-	-	-	2	4	6	12
		F	-	1	-	-	-	-	2	5	7	14	29
I31	Other diseases of pericardium	M	-	-	-	-	-	-	-	1	3	2	6
		F	-	-	-	-	-	-	-	-	2	2	4
I33	Acute and subacute endocarditis	M	-	-	-	-	-	-	-	5	-	3	8
		F	-	-	-	-	-	1	-	2	2	1	6
I34	Nonrheumatic mitral valve disorders	M	-	-	-	-	-	-	-	3	7	7	17
		F	-	-	-	-	-	-	-	1	3	14	18
I35	Nonrheumatic aortic valve disorders	M	-	-	-	-	-	-	2	5	20	38	65
		F	-	-	-	-	-	-	-	5	13	66	84
I38	Endocarditis	M	-	-	-	-	-	-	2	4	6	14	26
		F	-	-	-	-	-	-	1	2	12	30	45
I42	Cardiomyopathy	M	-	-	2	-	-	-	6	34	37	29	108
		F	-	-	-	-	-	-	3	5	18	25	51
I44	Atrioventricular and left bundle-branch block	M	-	-	-	-	-	-	-	-	-	4	4
		F	-	-	-	-	-	-	-	-	1	2	3
I45	Other conduction disorders	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	-	4	4
I46	Cardiac arrest	M	-	-	-	-	-	1	-	9	10	11	31
		F	-	-	-	-	-	-	-	2	6	24	32
I47	Paroxysmal tachycardia	M	-	-	-	-	-	-	-	1	2	1	4
		F	-	-	-	-	-	-	-	-	-	2	2
I48	Atrial fibrillation and flutter	M	-	-	-	-	-	-	-	5	18	70	93
		F	-	-	-	-	-	-	-	1	16	124	141
I49	Other cardiac arrhythmias	M	-	-	-	-	-	-	2	12	13	20	47
		F	-	-	-	-	-	1	1	4	8	34	48
I50	Heart failure	M	-	-	-	-	-	-	-	16	73	247	336
		F	-	-	-	-	-	-	-	9	67	417	493
I51	Complications and ill-defined descriptions of heart disease	M	1	-	-	-	-	-	7	8	17	16	49
		F	-	-	-	-	-	-	1	-	13	31	45
I60	Subarachnoid hemorrhage	M	-	-	-	-	-	1	5	20	9	4	39
		F	-	-	-	-	-	-	4	26	14	19	63
I61	Intracerebral hemorrhage	M	-	-	-	-	-	-	2	17	49	39	107
		F	-	-	-	-	-	-	1	7	41	63	112
I62	Other nontraumatic intracranial hemorrhage	M	-	-	-	-	-	-	3	11	11	21	46
		F	-	-	-	-	-	-	1	3	14	27	45
I63	Cerebral infarction	M	-	-	-	-	-	-	-	5	15	24	44
		F	-	-	-	-	-	-	-	3	10	55	68
I64	CVA, NOS	M	-	-	-	-	-	-	2	33	154	363	552
		F	-	-	-	-	-	-	-	17	149	714	880

Notes are included at end of appendix 2.

APPENDIX 2 – *continued*
DETAILED CAUSE OF DEATH BY GENDER AND AGE
BRITISH COLUMBIA, 2004

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
I65	Occlusion and stenosis of precerebral arteries, not resulting in cerebral infarction	M	-	-	-	-	-	-	-	1	2	2	5
		F	-	-	-	-	-	-	-	1	1	-	2
I67	Other cerebrovascular diseases	M	-	-	-	-	-	-	-	4	15	47	66
		F	-	1	-	-	1	-	-	2	14	105	123
I69	Sequelae of cerebrovascular disease	M	-	-	-	-	-	-	-	4	18	40	62
		F	-	-	-	-	-	-	-	1	10	55	66
I70	Atherosclerosis	M	-	-	-	-	-	-	2	69	112	79	262
		F	-	-	-	-	-	-	1	13	71	109	194
I71	Aortic aneurysm and dissection	M	-	-	-	-	-	-	1	12	66	49	128
		F	-	-	-	-	-	-	-	2	32	56	90
I72	Other aneurysm	M	-	-	-	-	-	-	-	1	4	4	9
		F	-	-	-	-	-	-	-	-	2	-	2
I73	Other peripheral vascular diseases	M	-	-	-	-	-	-	-	3	12	24	39
		F	-	-	-	-	-	-	-	3	9	34	46
I74	Arterial embolism and thrombosis	M	-	-	-	-	-	-	-	2	2	-	4
		F	-	-	-	-	-	-	-	1	-	7	8
I77	Other disorders of arteries and arterioles	M	-	-	-	-	-	-	1	3	6	1	11
		F	-	-	-	-	-	-	-	-	1	4	5
I80	Phlebitis and thrombophlebitis	M	-	-	-	-	-	-	1	3	6	3	13
		F	-	-	-	-	-	-	-	1	1	7	9
I83	Varicose veins of lower extremities	M	-	-	-	-	-	-	-	1	3	1	5
		F	-	-	-	-	-	-	-	1	-	1	2
I99	Other and unspecified disorders of circulatory system	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	1	2	3
J10	Influenza due to identified influenza virus	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	-	3	3
J11	Influenza, virus not identified	M	-	-	-	-	-	-	-	-	2	10	12
		F	-	-	-	-	-	-	-	-	1	8	9
J15	Bacterial pneumonia, NEC	M	-	-	-	-	-	-	-	1	6	1	8
		F	-	-	-	-	-	-	1	1	-	4	6
J18	Pneumonia, organism unspecified	M	-	-	-	-	-	-	7	41	103	370	521
		F	1	-	-	-	-	-	3	21	80	578	683
J20	Acute bronchitis	M	-	-	-	-	-	-	-	1	1	3	5
		F	-	-	-	-	-	-	-	-	-	3	3
J22	Unspecified acute lower respiratory infection	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	-	5	5
J42	Unspecified chronic bronchitis	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	-	1	4	5
J43	Emphysema	M	-	-	-	-	-	-	1	4	26	27	58
		F	-	-	-	-	-	-	-	6	20	23	49
J44	Other chronic obstructive pulmonary disease	M	-	-	-	-	-	-	1	52	248	269	570
		F	-	-	-	-	-	-	-	33	185	320	538
J45	Asthma	M	-	-	-	-	-	-	-	1	7	8	16
		F	-	-	-	-	-	-	-	2	10	16	28
J47	Bronchiectasis	M	-	-	-	-	-	-	-	-	9	-	9
		F	-	-	-	-	-	-	-	2	6	7	15
J61	Pneumoconiosis due to asbestos and other mineral fibres	M	-	-	-	-	-	-	-	-	6	1	7
		F	-	-	-	-	-	-	-	-	1	-	1
J62	Pneumoconiosis due to dust containing silica	M	-	-	-	-	-	-	-	-	3	2	5
		F	-	-	-	-	-	-	-	-	-	-	-
J69	Aspiration pneumonia due to solids and liquids	M	-	-	-	-	1	1	2	5	20	66	95
		F	-	-	-	-	-	-	-	3	6	59	68
J80	Adult respiratory distress syndrome	M	-	-	-	-	-	-	-	2	1	1	4
		F	-	-	-	-	1	-	-	2	1	1	5
J84	Other interstitial pulmonary diseases	M	-	-	-	-	-	-	1	17	48	54	120
		F	-	-	-	-	-	-	1	6	27	32	66
J90	Pleural effusion, NEC	M	-	-	-	-	-	-	-	1	1	3	5
		F	-	-	-	-	-	-	-	-	2	3	5
J96	Respiratory failure, NEC	M	-	-	-	-	-	-	-	-	3	2	5
		F	-	-	-	-	-	-	-	-	-	3	3
J98	Other respiratory disorders	M	-	-	-	-	-	-	-	2	7	10	19
		F	-	-	-	-	-	-	-	2	2	17	21

Notes are included at end of appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2004

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
K21	Gastro-esophageal reflux disease	M	-	-	-	-	-	-	-	1	3	3	7
		F	-	-	-	-	-	-	-	-	2	6	8
K22	Other diseases of esophagus	M	-	-	-	-	-	1	-	3	4	7	15
		F	-	-	-	-	-	-	-	-	1	9	10
K25	Gastric ulcer	M	-	-	-	-	-	-	-	-	1	4	5
		F	-	-	-	-	-	-	-	2	2	5	9
K26	Duodenal ulcer	M	-	-	-	-	-	-	1	2	4	5	12
		F	-	-	-	-	-	-	-	1	6	8	15
K27	Peptic ulcer	M	-	-	-	-	-	-	-	-	4	2	6
		F	-	-	-	-	-	-	-	-	6	3	9
K31	Other diseases of stomach and duodenum	M	-	-	-	-	-	-	-	-	2	2	4
		F	-	-	-	-	-	-	-	-	1	3	4
K44	Diaphragmatic hernia	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	-	1	2	3
K46	Unspecified abdominal hernia	M	-	-	-	-	-	-	-	1	-	8	9
		F	-	-	-	-	-	-	-	-	2	3	5
K50	Crohn's disease	M	-	-	-	-	-	-	1	1	1	2	5
		F	-	-	-	-	-	-	-	2	2	1	5
K51	Ulcerative colitis	M	-	-	-	-	-	-	-	-	2	2	4
		F	-	-	-	-	-	-	-	-	-	3	3
K52	Other noninfective gastroenteritis and colitis	M	-	-	-	-	-	1	-	2	2	8	13
		F	-	-	-	-	-	-	-	2	4	14	20
K55	Vascular disorders of intestine	M	-	-	-	-	-	-	1	4	13	19	37
		F	-	-	-	-	-	1	-	3	11	29	44
K56	Paralytic ileus and intestinal obstruction without hernia	M	-	-	-	-	-	1	1	3	12	33	50
		F	-	-	-	-	1	-	-	4	11	48	64
K57	Diverticular disease of intestine	M	-	-	-	-	-	-	-	4	6	5	15
		F	-	-	-	-	-	-	-	1	8	29	38
K59	Other functional intestinal disorders	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	-	-	2	2
K62	Other diseases of anus and rectum	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	5	5
K63	Other diseases of intestine	M	-	-	-	-	-	-	-	1	2	4	7
		F	-	-	-	-	-	-	3	2	6	12	23
K65	Peritonitis	M	-	-	-	-	-	-	-	1	1	1	3
		F	-	-	-	-	-	-	-	1	3	5	9
K66	Other disorders of peritoneum	M	-	-	-	-	-	-	-	1	2	1	4
		F	-	-	-	-	-	-	-	-	-	3	3
K70	Alcoholic liver disease	M	-	-	-	-	-	-	6	73	37	2	118
		F	-	-	-	-	-	-	10	27	12	4	53
K72	Hepatic failure	M	-	-	-	-	-	-	1	17	10	5	33
		F	-	-	-	-	-	-	1	9	9	5	24
K74	Fibrosis and cirrhosis of liver	M	1	-	-	-	-	-	5	27	21	6	60
		F	-	-	-	-	-	-	2	10	18	11	41
K75	Other inflammatory liver diseases	M	-	-	-	-	-	-	-	2	2	-	4
		F	-	-	-	-	-	-	-	1	4	2	7
K76	Other diseases of liver	M	-	-	-	-	-	1	-	2	5	3	11
		F	-	-	-	-	-	-	-	1	5	3	9
K80	Cholelithiasis	M	-	-	-	-	-	-	-	3	1	1	5
		F	-	-	-	-	-	-	-	1	2	6	9
K81	Cholecystitis	M	-	-	-	-	-	-	-	1	2	5	8
		F	-	-	-	-	-	-	-	1	3	4	8
K83	Other diseases of biliary tract	M	-	-	-	-	-	-	-	-	1	5	6
		F	-	-	-	-	-	-	1	1	3	12	17
K85	Acute pancreatitis	M	-	-	-	-	-	-	-	1	7	5	13
		F	-	-	-	-	-	-	-	7	2	9	18
K86	Other diseases of pancreas	M	-	-	-	-	-	-	2	3	1	1	7
		F	-	-	-	-	-	-	-	2	1	2	5
K92	Other diseases of digestive system	M	-	-	-	-	-	-	1	21	14	41	77
		F	-	-	-	-	-	-	-	3	15	69	87
L03	Cellulitis	M	-	-	-	-	-	-	1	1	3	10	15
		F	-	-	-	-	-	-	-	1	1	10	12

Notes are included at end of appendix 2.

APPENDIX 2 – *continued*
DETAILED CAUSE OF DEATH BY GENDER AND AGE
BRITISH COLUMBIA, 2004

ICD-10 Cause of Death	Gender	Age of Deceased (in Years)										Total
		<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
L89 Decubitus ulcer	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	-	-	1	7	8
L98 Other disorders of skin and subcutaneous tissue, NEC	M	-	-	-	-	-	-	-	-	1	3	4
	F	-	-	-	-	-	-	-	-	2	6	8
M00 Pyogenic arthritis	M	-	-	-	-	1	-	-	1	-	-	2
	F	-	-	-	-	-	-	-	1	1	1	3
M06 Other rheumatoid arthritis	M	-	-	-	-	-	-	-	2	2	3	7
	F	-	-	-	-	-	-	-	1	10	7	18
M13 Other arthritis	M	-	-	-	-	-	-	-	-	-	3	3
	F	-	-	-	-	-	-	-	1	-	3	4
M19 Other arthrosis	M	-	-	-	-	-	-	-	-	-	7	7
	F	-	-	-	-	-	-	-	-	3	9	12
M25 Other joint disorders, NEC	M	-	-	-	-	-	-	-	-	-	1	1
	F	-	-	-	-	-	-	-	-	1	3	4
M31 Other necrotizing vasculopathies	M	-	-	-	-	-	-	-	1	1	-	2
	F	-	-	-	-	-	-	-	1	-	2	3
M32 Systemic lupus erythematosus	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	1	6	8	1	16
M34 Systemic sclerosis	M	-	-	-	-	-	-	-	1	2	-	3
	F	-	-	-	-	-	-	-	2	4	2	8
M35 Other systemic involvement of connective tissue	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	2	2	3	7
M62 Other disorders of muscle	M	-	-	-	-	-	-	-	-	3	2	5
	F	-	-	-	-	-	-	-	-	-	2	2
M80 Osteoporosis with pathological fracture	M	-	-	-	-	-	-	-	-	-	2	2
	F	-	-	-	-	-	-	-	-	1	16	17
M81 Osteoporosis without pathological fracture	M	-	-	-	-	-	-	-	-	-	3	3
	F	-	-	-	-	-	-	-	-	-	12	12
N05 Unspecified nephritic syndrome	M	-	-	-	1	-	-	1	-	-	2	4
	F	-	-	-	-	-	-	-	1	1	1	3
N12 Tubulo-interstitial nephritis, not specified as acute or chronic	M	-	-	-	-	-	1	-	-	1	7	9
	F	-	-	-	-	-	-	2	-	2	8	12
N13 Obstructive and reflux uropathy	M	-	-	-	-	-	-	-	-	-	4	4
	F	-	-	-	-	-	-	-	1	1	3	5
N17 Acute renal failure	M	-	-	-	-	-	-	-	-	6	10	16
	F	-	-	-	-	-	-	-	-	4	13	17
N18 Chronic renal failure	M	-	-	-	-	-	-	1	5	26	34	66
	F	-	-	-	-	-	-	-	3	17	39	59
N19 Unspecified renal failure	M	-	-	-	-	-	-	-	9	43	71	123
	F	-	-	-	-	-	-	-	4	17	100	121
N20 Calculus of kidney and ureter	M	-	-	-	-	-	-	-	1	1	-	2
	F	-	-	-	-	-	-	-	2	-	1	3
N28 Other disorders of kidney and ureter, NEC	M	-	-	-	-	-	-	-	-	4	2	6
	F	-	-	-	-	-	-	-	-	1	2	3
N39 Other disorders of urinary system	M	-	-	-	-	-	-	-	3	13	34	50
	F	-	-	-	-	-	-	1	3	16	72	92
N40 Prostatic hypertrophy	M	-	-	-	-	-	-	-	-	2	3	5
	F	-	-	-	-	-	-	-	-	-	-	-
P01 Fetus and newborn affected by maternal complications of pregnancy	M	5	-	-	-	-	-	-	-	-	-	5
	F	4	-	-	-	-	-	-	-	-	-	4
P02 Fetus and newborn affected by comp. of placenta, cord and membranes	M	5	-	-	-	-	-	-	-	-	-	5
	F	8	-	-	-	-	-	-	-	-	-	8
P07 Disorders related to short gestation and low birth weight, NEC	M	17	-	-	-	-	-	-	-	-	-	17
	F	12	-	-	-	-	-	-	-	-	-	12
P21 Birth asphyxia	M	1	-	-	-	-	-	-	-	-	-	1
	F	4	-	-	-	-	-	-	-	-	-	4
P22 Respiratory distress of newborn	M	6	-	-	-	-	-	-	-	-	-	6
	F	-	-	-	-	-	-	-	-	-	-	-
P96 Other conditions originating in the perinatal period	M	5	-	-	-	-	-	-	-	-	-	5
	F	8	-	-	-	-	-	-	-	-	-	8
Q04 Other congenital malformations of brain	M	2	-	2	-	-	-	1	-	-	-	5
	F	-	-	-	-	-	-	1	-	-	-	1

Notes are included at end of appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2004

ICD-10 Cause of Death	Gender	Age of Deceased (in Years)										Total
		<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
Q21 Congenital malformations of cardiac septa	M	-	-	-	-	-	-	-	-	1	-	1
	F	1	-	1	-	-	-	-	1	-	1	4
Q23 Congenital malformations of aortic and mitral valves	M	-	-	-	-	-	-	-	1	-	-	1
	F	2	-	-	-	-	1	-	1	-	-	4
Q24 Other congenital malformations of heart	M	1	1	-	-	-	-	-	-	-	-	2
	F	2	-	-	-	-	-	-	3	-	-	5
Q89 Other congenital malformations, NEC	M	1	1	-	-	-	-	-	-	-	-	2
	F	4	-	-	-	-	-	1	-	-	-	5
Q90 Down's syndrome	M	1	-	-	-	-	-	-	-	-	-	1
	F	-	-	-	-	-	-	-	3	1	-	4
Q91 Edwards' syndrome and Patau's syndrome	M	1	1	-	-	1	-	-	-	-	-	3
	F	5	-	-	-	-	-	-	-	-	-	5
R09 Other symptoms and signs involving the circulatory and respiratory systems	M	-	-	-	-	-	-	-	-	2	1	3
	F	-	-	-	-	-	-	-	-	-	7	7
R19 Other symptoms and signs involving the digestive system and abdomen	M	-	-	-	-	-	-	-	-	-	1	1
	F	-	-	-	-	-	-	-	-	-	4	4
R53 Malaise and fatigue	M	-	-	-	-	-	-	-	-	-	2	2
	F	-	-	-	-	-	-	-	-	-	3	3
R54 Senility	M	-	-	-	-	-	-	-	-	1	7	8
	F	-	-	-	-	-	-	-	-	-	23	23
R56 Convulsions, NOS	M	-	-	-	-	1	-	2	1	-	-	4
	F	-	-	-	-	-	-	-	2	-	-	2
R64 Cachexia	M	-	-	-	-	-	-	-	-	-	2	2
	F	-	-	-	-	-	-	-	-	-	3	3
R68 Other general symptoms and signs	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	4	5
R95 Sudden infant death syndrome	M	7	-	-	-	-	-	-	-	-	-	7
	F	1	-	-	-	-	-	-	-	-	-	1
R99 Other ill-defined and unspecified causes of mortality	M	5	3	-	1	18	30	103	107	35	9	311
	F	8	6	1	5	8	12	42	62	30	15	189
V03 Pedestrian injured in collision with car, pick-up truck or van	M		-	-	1	2	1	3	6	3	4	20
	F	-	-	-	1	-	1	2	2	7	2	15
V04 Pedestrian injured in collision with heavy transport vehicle or bus	M	-	-	-	-	-	-	-	2	1	-	3
	F	-	-	-	-	-	-	1	2	2	-	5
V05 Pedestrian injured in collision with railway train or vehicle	M	-	-	-	-	-	-	1	-	2	-	3
	F	-	-	-	-	-	-	-	1	1	-	2
V09 Pedestrian injured in other and unspecified transport accident	M	-	-	-	1	-	-	-	2	-	2	5
	F	-	-	-	-	-	-	-	1	1	1	3
V23 Motorcycle rider injured in collision with car, pick-up truck or van	M	-	-	-	-	-	3	9	7	1	1	21
	F	-	-	-	-	-	-	1	-	-	-	1
V27 Motorcycle rider injured in collision with fixed or station	M	-	-	-	-	-	-	3	2	-	-	5
	F	-	-	-	-	-	-	-	-	1	-	1
V28 Motorcycle rider injured in noncollision transport accident	M	-	-	-	-	1	1	2	2	-	-	6
	F	-	-	-	-	-	-	2	1	-	-	3
V43 Car occupant injured in collision with car, pick-up truck or van	M	-	-	-	-	3	3	8	14	3	3	34
	F	-	-	2	-	1	-	10	8	4	4	29
V44 Car occupant injured in collision with heavy transport vehicle or bus	M	1	-	-	-	1	1	7	4	-	2	16
	F	-	-	-	-	-	-	4	1	2	-	7
V47 Car occupant injured in collision with fixed or stationary object	M	-	-	-	-	5	3	5	4	1	1	19
	F	-	-	-	-	-	2	3	1	-	-	6
V48 Car occupant injured in noncollision transport	M	-	-	-	-	4	9	6	4	2	3	28
	F	-	-	1	-	2	2	1	3	4	-	13
V49 Car occupant injured in other and unspecified transport accidents	M	-	-	-	-	2	4	3	2	2	-	13
	F	-	-	-	-	-	-	-	1	-	1	2
V53 Occupant of pick-up truck or van injured in collision with car, pick-up truck or van	M	-	-	-	-	-	-	1	4	3	-	8
	F	-	-	-	-	-	-	-	-	-	1	1
V54 Occupant of pick-up truck or van injured in coll. with heavy trans. vehicle or bus	M	-	-	-	-	1	2	1	3	-	-	7
	F	-	-	-	-	1	-	1	-	1	-	3
V57 Occupant of pick-up truck or van injured in coll. with fixed or stationary object	M	-	-	-	1	-	1	1	1	-	-	4
	F	-	-	-	-	-	-	1	-	-	-	1
V58 Occupant of pick-up truck or van injured in noncollision transport accident	M	-	-	-	-	-	2	6	8	-	-	16
	F	-	-	-	-	1	3	-	2	-	-	6

Notes are included at end of appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2004

ICD-10 Cause of Death	Gender	Age of Deceased (in Years)										Total
		<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
V59 Occupant of pick-up truck or van injured in other & unspec. transport accidents	M	-	-	-	-	-	-	2	2	-	-	4
	F	-	-	-	-	-	-	1	-	-	-	1
V64 Occupant of heavy trans. vehicle inj. in coll. with heavy trans. vehicle or bus	M	-	-	-	-	-	-	4	3	-	-	7
	F	-	-	-	-	-	-	-	-	-	-	-
V68 Occupant of heavy transport vehicle injured in noncollision transport	M	-	-	-	-	-	-	5	2	-	-	7
	F	-	-	-	-	-	-	-	1	-	-	1
V86 Occupant of special A.T./other m.v. for off-road use, injured in transport acc	M	-	-	-	-	2	-	1	2	1	-	6
	F	-	-	-	-	1	-	-	-	-	-	1
V87 Traffic of specified type but victim's mode of transport unknown	M	-	1	-	-	-	-	2	-	1	-	4
	F	-	-	-	-	-	-	-	1	1	-	2
V89 Motor or nonmotor vehicle, type of vehicle unspecified	M	-	-	-	-	-	-	3	2	-	-	5
	F	-	-	-	-	-	-	1	-	1	-	2
V90 Accident to watercraft causing drowning and submersion	M	-	-	-	-	1	-	2	4	-	-	7
	F	-	-	-	-	-	-	-	-	-	-	-
V92 Water-transport-related drowning and submersion without acc. to watercraft	M	-	-	-	-	-	-	3	1	1	-	5
	F	-	-	-	-	-	-	-	-	-	-	-
W00 Fall on same level involving ice and snow	M	-	-	-	-	-	-	1	-	-	3	4
	F	-	-	-	-	-	-	1	-	-	-	1
W01 Fall on same level from slipping, tripping and stumbling	M	-	-	-	-	-	1	-	-	3	6	10
	F	-	-	-	-	-	-	-	1	2	5	8
W06 Fall involving bed	M	-	-	-	-	-	-	-	-	-	4	4
	F	-	-	-	-	-	-	-	-	-	5	5
W10 Fall on and from stairs and steps	M	-	-	-	-	-	-	2	6	6	1	15
	F	-	-	-	-	-	-	-	1	-	4	5
W11 Fall on and from ladder	M	-	-	-	-	-	-	-	3	2	-	5
	F	-	-	-	-	-	-	-	-	-	-	-
W13 Fall from, out of or through building or structure	M	-	-	-	-	-	-	4	-	1	-	5
	F	-	-	-	-	-	-	-	1	-	1	2
W17 Other fall from one level to another	M	-	-	-	-	-	-	1	1	-	1	3
	F	-	-	-	-	-	-	1	-	-	1	2
W18 Other fall on same level	M	-	-	-	-	-	-	-	3	1	3	7
	F	-	-	-	-	-	-	-	-	1	6	7
W19 Unspecified fall	M	-	1	-	-	-	-	2	5	23	62	93
	F	-	-	-	-	-	-	1	1	12	118	132
W20 Struck by thrown, projected or falling object	M	-	-	-	-	-	-	4	3	1	-	8
	F	-	-	-	-	-	-	-	-	1	-	1
W69 Drowning and submersion while in natural water	M	-	-	-	-	1	1	7	4	1	-	14
	F	-	-	-	-	-	1	-	2	-	-	3
W70 Drowning and submersion following fall into natural water	M	-	1	-	-	1	1	3	1	1	-	8
	F	-	-	-	-	-	-	1	-	-	-	1
W74 Unspecified drowning and submersion	M	-	-	-	1	-	1	1	1	1	1	6
	F	-	-	-	-	-	-	-	-	-	-	-
W80 Inhalation and ingestion of other objects causing obstruction of respiratory tract	M	-	-	-	-	-	-	-	6	2	5	13
	F	-	-	-	-	-	-	-	1	3	6	10
X00 Exposure to uncontrolled fire in building or structure	M	-	-	-	-	-	1	3	7	3	1	15
	F	-	-	-	-	-	-	1	-	4	1	6
X31 Exposure to excessive natural cold	M	-	-	-	-	-	1	1	1	2	-	5
	F	-	-	-	-	-	-	2	-	-	-	2
X41 Acc. poisoning by & exp. to antiepileptic, sed.-hypn., antipark. & psych. drugs, NEC	M	-	-	-	-	-	1	2	5	-	-	8
	F	-	-	-	-	1	-	2	2	-	-	5
X42 Acc. poisoning by & exp. to narcotics & psychodysleptics [hallucin.], NEC	M	-	-	-	-	1	3	64	48	1	-	117
	F	-	-	-	-	1	3	20	7	1	-	32
X44 Acc. poisoning by & exp. to other & unspec. drugs, med. and biolo. sub.	M	-	-	-	-	-	-	8	10	-	-	18
	F	-	-	-	-	-	-	3	5	-	-	8
X45 Accidental poisoning by and exposure to alcohol	M	-	-	-	-	-	-	4	5	2	-	11
	F	-	-	-	-	-	-	1	-	-	-	1
X47 Acc. poisoning by and exposure to other gases and vapours	M	-	-	-	-	-	-	-	4	-	-	4
	F	-	-	-	-	-	-	1	-	-	-	1
X59 Exposure to unspecified factor	M	-	-	-	-	-	-	1	3	-	1	5
	F	-	-	-	-	-	-	1	1	2	7	11
X60 Suicide by nonopioid analgesics, antipyretics and antirheumatics	M	-	-	-	-	-	1	-	1	-	-	2
	F	-	-	-	-	-	-	1	-	2	-	3

Notes are included at end of appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2004

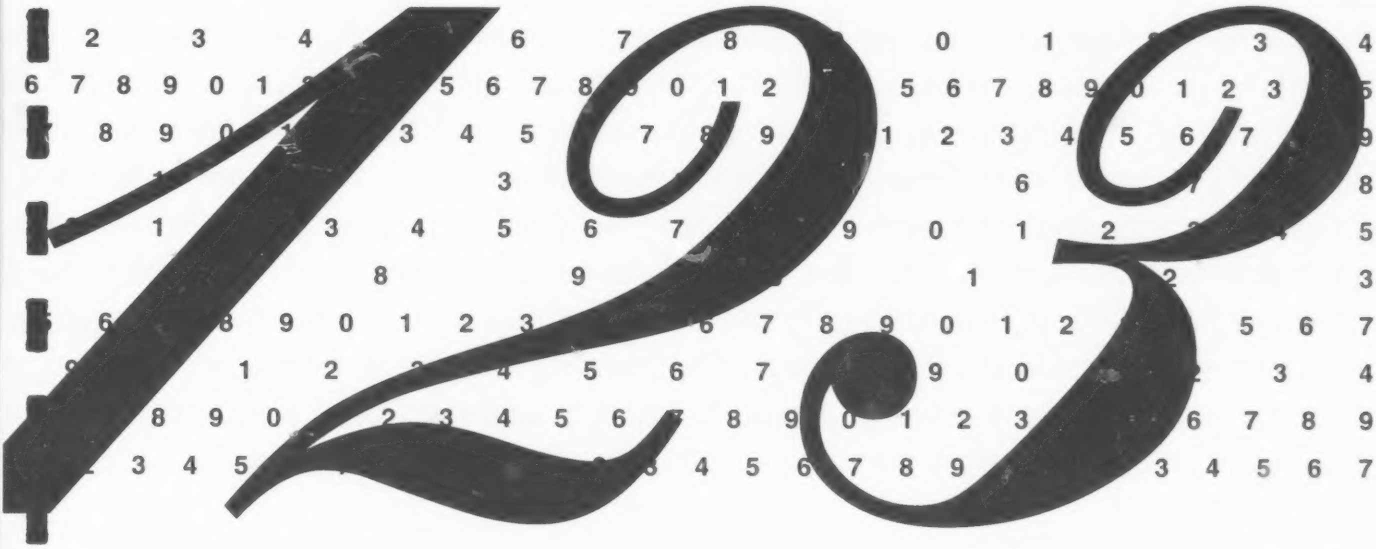
ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
X61	Suicide by antiepileptic, sed-hypno, antiparkins and psychotropic drugs, NEC	M	-	-	-	-	-	2	2	3	2	-	9
		F	-	-	-	-	-	-	4	6	1	1	12
X62	Suicide by narcotics and psychodysleptics [hallucinogens], NEC	M	-	-	-	-	1	-	5	10	1	-	17
		F	-	-	-	-	-	-	1	2	1	1	5
X64	Suicide by other and unspecified drugs, medicaments and biological substances	M	-	-	-	-	-	-	3	12	1	2	18
		F	-	-	-	1	-	-	8	8	1	2	20
X67	Suicide by other gases and vapours	M	-	-	-	-	1	3	10	12	4	4	34
		F	-	-	-	-	-	-	1	3	-	-	4
X70	Suicide by hanging, strangulation and suffocation	M	-	-	-	2	8	14	52	40	6	4	126
		F	-	-	-	-	2	4	7	8	5	4	30
X71	Suicide by drowning and submersion	M	-	-	-	-	-	-	2	4	1	-	7
		F	-	-	-	-	-	-	3	-	1	1	5
X72	Suicide by handgun discharge	M	-	-	-	-	-	1	-	1	4	-	6
		F	-	-	-	-	-	-	-	-	-	-	-
X73	Suicide by rifle, shotgun and larger firearm discharge	M	-	-	-	-	-	-	5	6	2	1	14
		F	-	-	-	-	-	-	2	1	-	-	3
X74	Suicide by other and unspecified firearm discharge	M	-	-	-	1	1	3	11	26	9	1	52
		F	-	-	-	-	-	-	-	1	-	-	1
X78	Suicide by sharp object	M	-	-	-	-	-	-	10	6	2	4	22
		F	-	-	-	-	-	-	1	5	-	1	7
X80	Suicide by jumping from a high place	M	-	-	-	-	-	1	7	4	1	1	14
		F	-	-	-	-	1	-	1	4	-	2	8
X81	Suicide by jumping or lying before moving object	M	-	-	-	-	1	-	2	1	-	-	4
		F	-	-	-	-	-	-	2	-	-	-	2
X95	Assault by other and unspecified firearm discharge	M	-	-	-	-	1	5	8	2	-	-	16
		F	-	-	-	-	-	-	-	1		-	1
X99	Assault by sharp object	M	-	-	-	-	-	1	3	3	-	-	7
		F	-	-	-	-	-	-	-	-	-	-	-
Y09	Assault by unspecified means	M	-	-	-	-	-	1	1	4	-	-	6
		F	-	-	-	-	-	-	-	2	-	-	2
Y83	Surg. oper and othr. surg. proc. causing abno. reaction or later compl., w/o misadv.	M	-	-	-	-	-	-	-	2	2	5	9
		F	-	-	-	-	-	-	-	-	7	-	7
Y85	Sequelae of transport accidents	M	-	-	-	-	-	-	3	2	-	-	5
		F	-	-	-	-	-	-	2	1	-	-	3
Y86	Sequelae of other accidents	M	-	-	-	-	-	-	-	3	1	-	4
		F	-	-	-	-	-	-	-	-	2	1	3
	All Causes of Death	**M**	**81**	**12**	**13**	**17**	**73**	**130**	**769**	**2,953**	**5,147**	**5,897**	**15,112**
		F	**86**	**12**	**12**	**13**	**31**	**43**	**364**	**1,806**	**3,746**	**8,426**	**14,539**

Note: The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above. Causes with less than five deaths are not shown separately, but are included in the total.

Non-residents and unknown gender are excluded.

Appendix 3

SELECTED HEALTH STATUS INDICATORS BY LOCAL HEALTH AREA, HEALTH SERVICE DELIVERY AREA, AND HEALTH AUTHORITY, BRITISH COLUMBIA, 2000–2004



Preamble to Appendix 3

This appendix consists of six tables:

Table A Summary Statistics by Local Health Area

Table B Mortality Statistics by Local Health Area

Table C Summary Statistics by Health Service Delivery Area

Table D Mortality Statistics by Health Service Delivery Area

Table E Summary Statistics by Health Authority

Table F Mortality Statistics by Health Authority.

Assignment of events to geographic areas was based on the usual residence of the mother for live births and stillbirths, and the usual residence of the decedent for deaths.

Tables A, C and E provide population estimates for the current year, and counts and rates for the five-year period ending with the current year for live births, stillbirths, deaths, infant deaths, low birth weight live births, cesarean live birth deliveries, pre-term live births, live births to teenage mothers, and live births to elderly gravida (mothers aged 35 or older).

Tables B, D and E provide the Standardized Mortality Ratios (SMR) with statistical significance, number of deaths (in the column labeled Death), trends in Age Standardized Mortality Rates based on three-year moving averages from 1986 to the current year (in the column labeled TR), Potential Years of Life Lost Index (PYLLI) with statistical significance, and the number of deaths under age 75 (in the column labeled D <75). ICD-10 codes for the causes of death in these tables are listed below.

Category	Cause of Death	ICD-10 Codes
01	All causes of death	A00-Y89
02	Malignant neoplasms	C00-C97
03	Malignant neoplasm of lung	C34
04	Endocrine nutritional and metabolic diseases	E00-E89
05	Diabetes mellitus	E10-E14
06	Diseases of the circulatory system	I00-I99
07	Ischemic heart diseases	I20-I25
08	Cerebrovascular diseases	I60-I69
09	Diseases of arteries, arterioles and capillaries	I70-I78
10	Diseases of the respiratory system	J00-J98
11	Influenza and pneumonia	J10-J18
12	Chronic Pulmonary Disease	J40-J44
13	Diseases of the digestive system	K00-K92
14	Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850
15	Accidental falls	W00-W19
16	Suicide	X60-X84, Y870
17	Alcohol-related deaths	see Glossary
18	Medically treatable diseases	see Glossary
19	Drug-induced deaths	see Glossary

Some cause of death categories are different from those used previously, so readers should avoid comparisons with tables in earlier publications.

Table A

SUMMARY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2000-2004

	Local Health Area	2004 Population	Live Birth		Stillbirth		Death		Infant Death	
			Total	Rate	Total	Rate	Total	Rate	Total	Rate
001	Fernie	15,862	602	7.74	2	3.31	384	4.94	-	-
002	Cranbrook	26,207	1,109	8.59	7	6.27	915	7.09	4	3.61
003	Kimberley	8,943	275	6.28	1	3.62	396	9.04	1	3.64
004	Windermere	9,783	324	6.93	3	9.17	219	4.69	2	6.17
005	Creston	12,810	629	9.82	-	-	638	9.96	-	-
006	Kootenay Lake	3,573	180	10.06	2	10.99	134	7.49	1	5.56
007	Nelson	24,760	1,095	8.86	10	9.05	938	7.59	6	5.48
009	Castlegar	13,473	461	6.81	6	12.85	565	8.35	-	-
010	Arrow Lakes	5,167	190	7.35	-	-	236	9.13	1	5.26
011	Trail	20,106	690	6.74	7	10.04	1,085	10.61	5	7.25
012	Grand Forks	9,072	325	7.13	2	6.12	468	10.26	3	9.23
013	Kettle Valley	3,567	132	7.29	-	-	122	6.74	-	-
014	Southern Okanagan	18,902	637	6.84	3	4.69	1,186	12.73	-	-
015	Penticton	41,034	1,442	7.11	9	6.20	2,383	11.75	5	3.47
016	Keremeos	4,979	197	8.09	-	-	283	11.62	2	10.15
017	Princeton	4,809	119	4.94	1	8.33	248	10.30	-	-
018	Golden	7,792	318	8.36	-	-	173	4.55	1	3.14
019	Revelstoke	8,523	388	9.14	2	5.13	274	6.46	1	2.58
020	Salmon Arm	33,125	1,086	6.73	9	8.22	1,476	9.15	7	6.45
021	Armstrong-Spallumcheen	10,125	379	7.66	5	13.02	357	7.21	-	-
022	Vernon	61,207	2,571	8.56	14	5.42	2,727	9.08	10	3.89
023	Central Okanagan	162,555	6,659	8.47	51	7.60	6,563	8.35	25	3.75
024	Kamloops	104,407	4,414	8.54	27	6.08	3,814	7.38	21	4.76
025	100 Mile House	14,771	528	7.22	3	5.65	552	7.55	3	5.68
026	North Thompson	5,243	230	9.06	1	4.33	140	5.51	2	8.70
027	Cariboo-Chilcotin	29,098	1,505	10.48	9	5.94	777	5.41	12	7.97
028	Quesnel	25,766	1,137	8.88	8	6.99	796	6.22	7	6.16
029	Lillooet	4,831	284	12.03	2	6.99	181	7.67	1	3.52
030	South Cariboo	7,878	272	7.07	1	3.66	356	9.25	1	3.68
031	Merritt	11,607	531	9.29	4	7.48	502	8.78	1	1.88
032	Hope	8,758	378	8.80	4	10.47	407	9.48	2	5.29
033	Chilliwack	76,567	4,135	11.19	31	7.44	2,980	8.07	18	4.35
034	Abbotsford	127,334	7,985	12.99	66	8.20	4,301	7.00	29	3.63
035	Langley	119,988	6,090	10.41	36	5.88	3,749	6.41	23	3.78
037	Delta	102,362	4,925	9.66	42	8.46	2,870	5.63	16	3.25
038	Richmond	172,714	7,802	9.10	63	8.01	4,172	4.87	29	3.72
040	New Westminster	58,286	3,208	11.15	26	8.04	2,468	8.58	7	2.18
041	Burnaby	202,966	10,322	10.23	87	8.36	6,749	6.69	34	3.29
042	Maple Ridge	86,671	4,414	10.60	26	5.86	2,539	6.10	12	2.72
043	Coquitlam	206,516	10,481	10.43	67	6.35	4,488	4.47	37	3.53
044	North Vancouver	135,140	6,481	9.66	40	6.13	3,986	5.94	17	2.62
045	West Vancouver-Bowen Is.	51,140	1,503	5.96	6	3.98	2,296	9.11	3	2.00
046	Sunshine Coast	27,667	907	6.70	8	8.74	1,201	8.87	2	2.21
047	Powell River	20,426	748	7.37	7	9.27	892	8.78	4	5.35
048	Howe Sound	31,666	1,964	12.88	11	5.57	528	3.46	8	4.07
049	Bella Coola Valley	3,351	238	14.02	5	20.58	96	5.65	4	16.81
050	Queen Charlotte	5,221	332	12.82	5	14.84	126	4.86	2	6.02
051	Snow Country	802	42	10.63	-	-	26	6.58	-	-
052	Prince Rupert	16,664	1,033	12.58	9	8.64	468	5.70	5	4.84
053	Upper Skeena	5,735	371	13.03	1	2.69	127	4.46	1	2.70
054	Smithers	17,997	1,146	12.85	13	11.22	394	4.42	7	6.11
055	Burns Lake	7,817	455	11.86	6	13.02	216	5.63	3	6.59
056	Nechako	17,706	1,138	13.10	15	13.01	476	5.48	5	4.39
057	Prince George	102,471	5,248	10.40	55	10.37	2,494	4.94	20	3.81
059	Peace River South	27,700	1,404	10.32	9	6.37	806	5.92	11	7.83
060	Peace River North	31,955	2,457	15.84	27	10.87	597	3.85	4	1.63
061	Greater Victoria	212,058	8,586	8.16	54	6.25	10,917	10.37	40	4.66
062	Sooke	57,447	2,844	10.24	18	6.29	1,524	5.49	11	3.87
063	Saanich	62,396	2,001	6.49	12	5.96	2,919	9.47	12	6.00
064	Gulf Islands	14,622	441	6.17	1	2.26	661	9.25	5	11.34
065	Cowichan	54,080	2,430	9.15	19	7.76	2,128	8.01	11	4.53
066	Lake Cowichan	6,336	218	6.97	-	-	220	7.04	1	4.59
067	Ladysmith	16,939	675	8.16	4	5.89	859	10.39	6	8.89
068	Nanaimo	96,163	3,985	8.46	27	6.73	4,011	8.52	19	4.77
069	Qualicum	41,788	1,135	5.60	8	7.00	2,169	10.70	4	3.52
070	Alberni	32,155	1,457	9.15	12	8.17	1,340	8.42	10	6.86
071	Courtenay	60,048	2,302	7.86	14	6.04	2,286	7.81	11	4.78
072	Campbell River	40,125	1,811	9.08	14	7.67	1,244	6.24	8	4.42
075	Mission	38,892	2,087	11.06	14	6.66	1,208	6.40	5	2.40
076	Agassiz-Harrison	8,610	433	10.59	3	6.88	301	7.36	1	2.31
077	Summerland	12,242	357	6.04	1	2.79	738	12.48	2	5.60
078	Enderby	7,543	292	7.96	2	6.80	336	9.16	3	10.27
080	Kitimat	11,572	527	8.98	4	7.53	245	4.18	3	5.69
081	Fort Nelson	6,567	470	15.08	1	2.12	72	2.31	1	2.13
083	Central Coast	1,692	112	13.07	-	-	70	8.17	5	44.64
084	Vancouver Island West	2,494	169	13.32	1	5.88	46	3.63	1	5.92
085	Vancouver Island North	13,929	817	11.73	7	8.50	318	4.57	12	14.69
087	Stikine	1,219	35	5.69	-	-	22	3.58	-	-
088	Terrace	22,326	1,331	11.95	12	8.94	549	4.93	6	4.51
092	Nisgaia	1,858	150	15.96	-	-	53	5.64	3	20.00
094	Telegraph Creek	636	45	14.34	-	-	18	5.74	1	22.22
161	Vancouver - City Centre	102,394	3,873	7.99	37	9.46	3,234	6.68	10	2.58
162	Van. - Downtown E.side	52,505	2,272	8.78	29	12.60	2,648	10.23	13	5.72
163	Vancouver - North East	99,245	5,569	11.34	54	9.60	2,907	5.92	30	5.39
164	Vancouver - West Side	123,966	5,336	8.68	44	8.18	3,753	6.11	26	4.87
165	Vancouver - Midtown	87,876	5,086	11.67	46	8.96	2,526	5.80	12	2.36
166	Vancouver - South	127,188	6,275	9.97	40	6.33	4,018	6.39	16	2.55
201	Surrey	325,803	21,848	13.89	144	6.55	7,229	4.60	104	4.76
202	South Surrey/White Rock	78,074	2,470	6.57	13	5.24	4,114	10.94	8	3.24
	PROVINCIAL TOTAL	**4,196,383**	**201,376**	**9.78**	**1,491**	**7.35**	**143,045**	**6.95**	**825**	**4.10**

Please refer to footnotes on Table E

Table A

SUMMARY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2000-2004

	Local Health Area	Low Birth Wt. Live Birth Total	Low Birth Wt. Live Birth Rate[1]	Cesarean Total	Cesarean Rate[1]	Pre-term Total	Pre-term Rate[1]	Teenage Mother Total	Teenage Mother Rate[1]	Elderly Gravida Total	Elderly Gravida Rate[1]
001	Fernie	19	31.56	154	255.81	25	41.53	41	68.11	92	152.82
002	Cranbrook	36	32.46	277	249.77	57	51.40	109	98.29	127	114.52
003	Kimberley	12	43.64	67	243.64	10	36.36	18	65.45	48	174.55
004	Windermere	10	30.86	71	219.14	8	24.69	22	67.90	41	126.54
005	Creston	30	47.69	123	195.55	42	66.77	87	138.31	83	131.96
006	Kootenay Lake	13	72.22	42	233.33	11	61.11	8	44.44	35	194.44
007	Nelson	45	41.10	204	186.30	61	55.71	27	24.66	207	189.04
009	Castlegar	21	45.55	107	232.10	22	47.72	10	21.69	75	162.69
010	Arrow Lakes	16	84.21	46	242.11	19	100.00	6	31.58	22	115.79
011	Trail	50	72.46	189	273.91	72	104.35	22	31.88	122	176.81
012	Grand Forks	15	46.15	83	255.38	21	64.62	28	86.15	65	200.00
013	Kettle Valley	9	68.18	26	196.97	11	83.33	12	90.91	14	106.06
014	Southern Okanagan	29	45.53	137	215.07	41	64.36	32	50.24	80	125.59
015	Penticton	85	58.95	304	210.82	125	86.69	102	70.74	205	142.16
016	Keremeos	11	55.84	39	197.97	13	65.99	11	55.84	28	142.13
017	Princeton	8	67.23	18	151.26	12	100.84	7	58.82	16	134.45
018	Golden	8	25.16	96	301.89	13	40.88	21	66.04	36	113.21
019	Revelstoke	21	54.12	110	283.51	30	77.32	21	54.12	61	157.22
020	Salmon Arm	51	46.96	335	308.47	62	57.09	52	47.88	167	153.78
021	Armstrong-Spallumcheen	13	34.30	98	258.58	30	79.16	13	34.30	51	134.56
022	Vernon	163	63.40	686	266.82	184	71.57	119	46.29	392	152.47
023	Central Okanagan	326	48.96	1822	273.61	515	77.34	283	42.50	1146	172.10
024	Kamloops	257	58.22	1297	293.84	352	79.75	257	58.22	604	136.84
025	100 Mile House	39	73.86	137	259.47	46	87.12	36	68.18	69	130.68
026	North Thompson	12	52.17	60	260.87	11	47.83	19	82.61	33	143.48
027	Cariboo-Chilcotin	91	60.47	562	373.42	134	89.04	143	95.02	150	99.67
028	Quesnel	68	59.81	297	261.21	78	68.60	81	71.24	132	116.09
029	Lillooet	12	42.25	83	292.25	18	63.38	30	105.63	34	119.72
030	South Cariboo	13	47.79	51	187.50	16	58.82	31	113.97	40	147.06
031	Merritt	28	52.73	137	258.00	46	86.63	45	84.75	69	129.94
032	Hope	13	34.39	94	248.68	36	95.24	50	132.28	41	108.47
033	Chilliwack	179	43.29	1073	259.49	277	66.99	305	73.76	526	127.21
034	Abbotsford	421	52.72	2016	252.47	504	63.12	323	40.45	874	109.46
035	Langley	271	44.50	1543	253.37	419	68.80	196	32.18	1098	180.30
037	Delta	234	47.51	1440	292.39	316	64.16	102	20.71	1128	229.04
038	Richmond	401	51.40	2243	287.49	490	62.80	94	12.05	2175	278.77
040	New Westminster	203	63.28	858	267.46	250	77.93	101	31.48	741	230.99
041	Burnaby	605	58.61	2710	262.55	797	77.21	206	19.96	2605	252.37
042	Maple Ridge	229	51.88	1252	283.64	319	72.27	138	31.26	829	187.81
043	Coquitlam	543	51.81	2905	277.17	751	71.65	229	21.85	2640	251.88
044	North Vancouver	308	47.52	1784	275.27	437	67.43	88	13.58	2199	339.30
045	West Vancouver-Bowen Is.	66	43.91	423	281.44	103	68.53	16	10.65	632	420.49
046	Sunshine Coast	28	30.87	185	203.97	42	46.31	35	38.59	202	222.71
047	Powell River	28	37.43	244	326.20	38	50.80	46	61.50	109	145.72
048	Howe Sound	118	60.08	565	287.68	159	80.96	73	37.17	471	239.82
049	Bella Coola Valley	13	54.62	56	235.29	23	96.64	32	134.45	34	142.86
050	Queen Charlotte	16	48.19	94	283.13	31	93.37	23	69.28	52	156.63
051	Snow Country	1	23.81	11	261.90	1	23.81	1	23.81	2	47.62
052	Prince Rupert	43	41.63	232	224.59	86	83.25	136	131.66	126	121.97
053	Upper Skeena	13	35.04	81	218.33	20	53.91	49	132.08	45	121.29
054	Smithers	42	36.65	309	269.63	64	55.85	75	65.45	148	129.14
055	Burns Lake	9	19.78	114	250.55	14	30.77	43	94.51	39	85.71
056	Nechako	58	50.97	271	238.14	63	55.36	98	86.12	113	99.30
057	Prince George	285	54.31	1432	272.87	375	71.46	379	72.22	628	119.66
059	Peace River South	54	38.46	277	197.29	54	38.46	121	86.18	136	96.87
060	Peace River North	108	43.96	616	250.71	124	50.47	196	79.77	245	99.72
061	Greater Victoria	450	52.41	2539	295.71	634	73.84	295	34.36	1969	229.33
062	Sooke	148	52.04	837	294.30	245	86.15	108	37.97	517	181.79
063	Saanich	115	57.47	551	275.36	175	87.46	73	36.48	458	228.89
064	Gulf Islands	19	43.08	92	208.62	34	77.10	10	22.68	114	258.50
065	Cowichan	140	57.61	608	250.21	202	83.13	200	82.30	372	153.09
066	Lake Cowichan	10	45.87	66	302.75	17	77.98	24	110.09	27	123.85
067	Ladysmith	41	60.74	178	263.70	69	102.22	60	88.89	85	125.93
068	Nanaimo	200	50.19	1103	276.79	308	77.29	249	62.48	600	150.56
069	Qualicum	42	37.00	343	302.20	76	66.96	57	50.22	209	184.14
070	Alberni	56	38.44	325	223.06	93	63.83	158	108.44	183	125.60
071	Courtenay	132	57.34	545	236.75	182	79.06	164	71.24	437	189.83
072	Campbell River	95	52.46	557	307.56	130	71.78	143	78.96	221	122.03
075	Mission	109	52.23	508	243.41	159	76.19	118	56.54	314	150.46
076	Agassiz-Harrison	16	36.95	106	244.80	31	71.59	37	85.45	55	127.02
077	Summerland	17	47.62	95	266.11	29	81.23	13	36.41	72	201.68
078	Enderby	21	71.92	90	308.22	22	75.34	34	116.44	35	119.86
080	Kitimat	18	34.16	213	404.17	22	41.75	33	62.62	61	115.75
081	Fort Nelson	15	31.91	152	323.40	23	48.94	40	85.11	35	74.47
083	Central Coast	9	80.36	22	196.43	18	160.71	17	151.79	7	62.50
084	Vancouver Island West	7	41.42	39	230.77	11	65.09	25	147.93	24	142.01
085	Vancouver Island North	42	51.41	184	225.21	69	84.46	108	132.19	95	116.28
087	Stikine	4	114.29	10	285.71	6	171.43	9	257.14	5	142.86
088	Terrace	56	42.07	359	269.72	107	80.39	131	98.42	144	108.19
092	Nisgaia	6	40.00	45	300.00	17	113.33	31	206.67	15	100.00
094	Telegraph Creek	4	88.89	4	88.89	6	133.33	7	155.56	12	266.67
161	Vancouver - City Centre	194	50.09	1086	280.40	248	64.03	25	6.45	1109	286.34
162	Van. - Downtown E.side	160	70.42	567	249.56	230	101.23	93	40.93	606	266.73
163	Vancouver - North East	325	58.36	1394	250.31	402	72.19	90	16.16	1444	259.29
164	Vancouver - West Side	242	45.35	1461	273.80	374	70.09	22	4.12	2020	378.56
165	Vancouver - Midtown	286	56.23	1343	264.06	361	70.98	119	23.40	1503	295.52
166	Vancouver - South	392	62.47	1661	264.70	482	76.81	94	14.98	1684	268.37
201	Surrey	1307	59.82	6036	276.27	1540	70.49	684	31.31	3340	152.87
202	South Surrey/White Rock	112	45.34	781	316.19	169	68.42	19	7.69	716	289.88
	PROVINCIAL TOTAL	10,591	52.59	54,391	270.10	14,370	71.36	8,139	40.42	40,574	201.48

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2000-2004

		01 All Causes of Death							02 Malignant Neoplasms							03 Malignant Neoplasm of Lung							04 End/Nut/Met. Diseases						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	0.97		384	↘	0.86		174	0.92		107		0.78		59	1.02		31		0.80		17	1.34		20		0.81		12
002	Cranbrook	1.10	*	915	↘	0.99		404	1.11		266		1.10		167	1.32	*	83		1.21		54	1.51	*	48		0.83		20
003	Kimberley	0.97		396	↘	0.91		144	1.12		126		1.10		63	1.11		32	↘	1.54		21	0.83		13		0.23	*	4
004	Windermere	0.80	*	219		0.99		109	0.73	*	62		0.73		34	0.80		18		0.55	*	10	0.38	*	4		0.15	*	2
005	Creston	0.93		638	↘	0.95		217	1.00		189		0.93		93	0.92		45		1.07		32	0.79		21		0.61		7
006	Kootenay Lake	0.84	*	134	↘	1.20		60	0.97		43		1.27		25	1.14		13		1.25		8	0.33		2		0.09	*	1
007	Nelson	1.04		938	↘	1.00		360	1.02		254	↘	0.98		136	1.09		70		0.97		45	0.99		34		1.26		18
009	Castlegar	1.11	*	565	↘	1.09		220	0.99		140	↘	0.90		68	0.88		32		0.98		20	1.64	*	32		1.40		13
010	Arrow Lakes	1.03		236	↘	1.38		89	1.06		67		1.32		37	1.41		23		1.73		14	1.13		10		1.75		5
011	Trail	1.16	*	1,085	↘	1.23	*	353	0.96		242	↘	0.86		114	0.97		62	↘	1.09		36	1.44	*	52		1.87		19
012	Grand Forks	1.06		468	↘	1.01		190	1.08		135		1.03		71	1.07		35		1.43		25	1.10		19		1.00		6
013	Kettle Valley	0.84		122	↘	0.91		67	1.00		44		1.02		32	0.85		10		1.34		10	0.53		3		0.09	*	1
014	Southern Okanagan	0.96		1,186	↘	1.18	*	410	1.02		354		1.07		163	0.91		83		0.89		39	1.41	*	69		1.71		21
015	Penticton	0.98		2,383		1.16	*	734	1.07		680		1.12		309	1.20	*	194		1.38	*	103	0.81		76		1.39		30
016	Keremeos	0.97		283		1.83	*	139	1.04		87		1.37		52	1.68	*	37		2.19	*	24	0.52		6		1.25		4
017	Princeton	1.10		248	↘	1.46	*	118	1.15		78		1.47		50	1.60	*	29		1.88		20	0.56		5		0.43	*	3
018	Golden	0.95		173	↘	0.97		89	1.07		57		1.11		35	1.45		20		1.18		12	0.88		6		0.26	*	1
019	Revelstoke	1.10		274	↘	1.13		133	1.05		76		0.92		43	1.32		25		1.09		15	1.16		11		0.88		6
020	Salmon Arm	1.01		1,476		1.23	*	600	1.04		436		1.28	*	246	1.00		111		1.07		66	0.89		51		0.88		16
021	Armstrong-Spallumcheen	0.93		357	↘	1.01		148	1.00		108		1.08		58	1.15		32		1.46		19	1.02		15		1.18		6
022	Vernon	1.04	*	2,727	↘	1.16	*	1,027	1.06		766		1.08		390	1.14		214		1.28		125	1.03		104		1.62		38
023	Central Okanagan	0.95	*	6,563	↘	0.94	*	2,169	0.96		1,823		1.01		911	0.99		487		1.03		267	0.90		241		0.81		80
024	Kamloops	1.16	*	3,814	↘	1.27	*	1,770	1.13	*	1,099		1.14	*	645	1.20	*	306	↘	1.20		191	1.29	*	164		1.27		61
025	100 Mile House	1.14	*	552		1.37	*	298	1.00		153		1.16		101	0.96		40		1.22		25	0.84		16		1.27		11
026	North Thompson	1.12		140	↘	1.28		79	1.21		46		1.04		28	1.88	*	19		1.79		13	1.05		5		0.94		3
027	Cariboo-Chilcotin	1.17	*	777	↘	1.27	*	437	1.00		200		1.07		136	0.96		51		1.05		36	1.71	*	43		0.91		16
028	Quesnel	1.16	*	796	↘	1.21	*	413	1.16	*	237		0.99		136	1.21		65		0.96		41	1.34		35		1.05		19
029	Lillooet	1.34	*	181	↘	1.50	*	97	1.21		47		1.41		31	1.57		16		1.09		9	0.78		4		0.33	*	2
030	South Cariboo	1.32	*	356	↘	1.54	*	199	1.03		85	↘	0.87		54	1.26		28		1.03		20	1.23		13		1.94		6
031	Merritt	1.43	*	502	↘	1.87	*	279	1.22	*	124		1.24		79	0.98		26	↘	1.03		18	1.49		20		1.74		12
032	Hope	1.16	*	407	↘	1.52	*	197	0.97		99		1.09		64	1.23		33		1.55		26	2.12	*	29		1.66		14
033	Chilliwack	1.05	*	2,980	↘	1.17	*	1,162	1.07	*	848		1.16	*	450	1.11		226		1.56	*	148	1.16		127		1.54	*	57
034	Abbotsford	0.99		4,301		1.06		1,576	1.03		1,203		1.06		619	0.98		289		1.03		172	1.18	*	195		1.53	*	79
035	Langley	1.00		3,749	↘	0.87	*	1,422	1.05		1,123	↘	1.03		604	1.12	*	311	↘	1.13		184	0.97		139		0.79		53
037	Delta	0.98		2,870	↘	0.77	*	1,073	0.96		823	↘	0.92		452	0.80	*	179	↘	0.73	*	105	0.78	*	88	↘	0.77		38
038	Richmond	0.76	*	4,172	↘	0.62	*	1,549	0.84	*	1,293	↘	0.81	*	698	0.92		363	↘	0.79	*	201	0.77	*	160		0.65	*	59
040	New Westminster	1.11	*	2,468	↘	1.14	*	915	1.11	*	643	↘	1.09		324	1.20	*	172		1.35	*	104	1.18		99		1.41		33
041	Burnaby	0.95	*	6,749	↘	0.79	*	2,290	0.94	*	1,825	↘	0.89	*	925	0.95		465	↘	0.83	*	266	0.96		260		0.80		90
042	Maple Ridge	1.13	*	2,539	↘	1.03		1,121	1.14	*	725		1.09		427	1.36	*	223		1.42	*	144	1.06		90		1.11		43
043	Coquitlam	0.93	*	4,488	↘	0.77	*	1,996	0.99		1,372	↘	0.96		861	1.01		359	↘	0.93		234	1.01		180		0.75	*	66
044	North Vancouver	0.91	*	3,986	↘	0.69	*	1,396	0.90	*	1,107	↘	0.87	*	603	0.81	*	255	↘	0.75	*	156	1.01		167		0.75		58
045	West Vancouver-Bowen Is.	0.82	*	2,296	↘	0.56	*	526	0.80	*	599	↘	0.70	*	249	0.54	*	103	↘	0.37	*	44	0.57	*	61	↘	0.46	*	12
046	Sunshine Coast	1.00		1,201	↘	1.04		471	1.08		369	↘	1.04		189	1.14		102		1.18		63	0.58	*	27		0.77		12
047	Powell River	1.05		892	↘	1.07		354	1.21	*	290		1.29	*	152	1.30	*	81		1.51	*	51	1.03		34		1.10		13
048	Howe Sound	0.99		528	↘	1.00		302	0.75	*	118	↘	0.69	*	75	0.72		29		0.49	*	18	1.25		24		0.89		15
049	Bella Coola Valley	1.28	*	96		2.35	*	63	0.80		18		1.02		11	0.34		2		0.42		2	1.06		3		1.88		2
050	Queen Charlotte	1.12		126	↘	1.40	*	95	1.07		35	↘	1.09		28	1.06		9		1.23		6	1.21		5		0.81		3
051	Snow Country	1.84	*	26		2.83	*	25	1.51		7		1.00		7	-		-		-		-	1.90		1		0.43		1
052	Prince Rupert	1.32	*	468	↘	1.49	*	243	1.08		111	↘	0.99		64	1.01		27		0.63		13	1.36		18		1.21		9
053	Upper Skeena	1.15		127		1.31		74	1.13		37		0.98		21	0.82		7		0.84		5	1.46		6		2.34		3
054	Smithers	1.11	*	394	↘	1.07		203	1.02		106		0.83		66	1.22		33		1.24		25	0.91		12		1.41		6
055	Burns Lake	1.06		216	↘	1.27		107	0.89		54		0.84		30	0.50	*	8		0.42	*	4	0.90		7		0.20	*	2
056	Nechako	1.25	*	476	↘	1.53	*	292	1.19		133		1.43	*	89	0.78		23		0.68		17	1.96	*	28		1.67		15
057	Prince George	1.25	*	2,494	↘	1.17	*	1,453	1.25	*	762		1.15	*	523	1.42	*	228		1.19		161	1.45	*	108		1.02		53
059	Peace River South	1.24	*	806		1.28	*	401	1.11		209		1.15		129	1.47	*	72		1.41		43	1.72	*	42		1.85		26
060	Peace River North	1.04		597	↘	1.04		345	0.97		164	↘	0.90		114	1.12		49	↘	1.11		38	1.19		25		0.55	*	12
061	Greater Victoria	1.01		10,917	↘	1.07	*	2,989	1.06	*	2,861	↘	1.10	*	1,213	1.01		672	↘	1.02		315	0.88	*	363		1.35	*	127
062	Sooke	1.02		1,524	↘	0.89	*	672	1.09		476	↘	1.05		279	1.19		135	↘	1.02		77	0.95		54		0.75		23
063	Saanich	0.84	*	2,919	↘	0.80	*	827	0.97		916		1.00		420	0.68	*	164	↘	0.70	*	79	0.67	*	90		0.35	*	17
064	Gulf Islands	0.82	*	661	↘	1.05		233	0.92		211	↘	0.96		102	0.83		50		0.86		22	0.47	*	15		0.46	*	5
065	Cowichan	1.03		2,128	↘	1.15	*	857	1.07		635		1.24	*	351	1.13		174	↘	1.30		105	0.78		63		0.61	*	23
066	Lake Cowichan	1.01		220	↘	1.28		126	1.06		68	↘	1.60	*	51	1.30		22		1.69		18	0.94		8		1.03		6
067	Ladysmith	1.10	*	859	↘	1.20	*	316	1.09		241	↘	1.10		126	1.11		64	↘	1.37		35	0.85		26		0.80		6
068	Nanaimo	1.54	*	4,011	↘	1.17	*	1,526	1.23	*	1,094	↘	1.11		573	1.20	*	294		1.18		168	1.37	*	144		1.00		48
069	Qualicum	0.93	*	2,169	↘	0.98		762	1.00		676	↘	1.10		341	0.91		162	↘	1.05		88	0.91		84		0.97		33
070	Alberni	1.22	*	1,340	↘	1.39	*	610	1.20	*	381		1.08		210	1.33	*	111		1.01		60	1.73	*	73		1.36		31
071	Courtenay	1.03		2,286	↘	1.02		905	1.11	*	710	↘	1.11		392	1.14		191		1.21		121	0.89		76		0.77		32
072	Campbell River	1.08	*	1,244	↘	1.20	*	610	1.17	*	395		1.21	*	224	1.52	*	134		1.69	*	85	1.05		46		0.70		14
075	Mission	1.14	*	1,208	↘	1.17	*	578	1.12	*	338	↘	1.19		216	1.24	*	97		1.30		65	1.37	*	55		1.57		27
076	Agassiz-Harrison	1.09		301		1.38	*	157	1.03		83		1.00		50	1.07		23		1.24		17	1.22		13		0.69		6
077	Summerland	1.01		738	↘	0.85		167	0.96		187		0.92		75	0.82		41		0.72		17	0.74		21	↘	0.27	*	5
078	Enderby	1.10		336	↘	1.26		137	1.21		105		1.40		61	1.33		30		1.26		18	0.51		6		0.54		3
080	Kitimat	1.08		245	↘	0.99		150	0.97		71	↘	0.93		55	1.07		21		1.09		18	1.40		12		1.21		6
081	Fort Nelson	1.06		72	↘	1.10		60	0.94		19		0.91		19	0.58		3		0.95		3	2.61		6		1.76		3
083	Central Coast	2.31	*	70		2.80	*	50	0.90		9		0.92		6	0.37		1		0.10	*	1	6.07	*	7		3.64		4
084	Vancouver Island West	1.19		46		1.44		39	1.20		14		1.09		13	0.98		3		0.75		3	-		-		-		-
085	Vancouver Island North	1.30	*	318	↘	1.55	*	217	1.13		87	↘	1.30		68	1.07		22		1.26		21	1.22		11		0.58		5
087	Stikine	0.82		22		0.95		17	0.69		6		0.30	*	5	1.71		4		1.10		4	1.93		2		2.21		2
088	Terrace	1.21	*	549	↘	1.24	*	314	1.05		143	↘	1.04		95	0.97		35	↘	1.08		25	1.71	*	29		2.28		14
092	Nisga'a	1.46	*	53		2.39	*	40	0.75		8		1.49		8	1.08		3		1.76		3	2.20		3		1.63		1
094	Telegraph Creek	1.39		18		3.17	*	16	0.83		3		0.33	*	2	-		-		-		-	-		-		-		-
161	Vancouver - City Centre	1.07	*	3,234	↘	1.10	*	1,334	0.97		752		0.93		394	0.92		176		0.92		100	0.95		106		1.04		46
162	Van. - Downtown E.side	1.40	*	2,648	↘	2.66	*	1,620	1.17	*	600	↘	1.35	*	359	1.39	*	184	↘	1.44	*	111	1.22		88		1.76	*	44
163	Vancouver - North East	0.91	*	2,907	↘	0.92	*	1,186	0.90	*	806	↘	0.95		446	0.96		224	↘	0.86		128	1.11		135		0.82		49
164	Vancouver - West Side	0.81	*	3,753	↘	0.67	*	1,012	0.82	*	951	↘	0.82	*	435	0.63	*	180	↘	0.63	*	94	0.71	*	124		0.81		35
165	Vancouver - Midtown	0.98		2,526	↘	0.83	*	960	0.87	*	615	↘	0.88	*	334	0.86		155	↘	0.78	*	81	1.00		97	↘	0.61	*	32
166	Vancouver - South	0.85	*	4,018	↘	0.74	*	1,291	0.81	*	1,019	↘	0.73	*	485	0.81	*	260	↘	0.68	*	133	0.93		166		1.01		57
201	Surrey	0.99		7,229	↘	1.02		3,598	0.91	*	1,959	↘	0.93	*	1,216	0.81	*	455	↘	0.85	*	294	1.24	*	341		1.23		165
202	South Surrey/White Rock	0.93	*	4,114	↘	0.78	*	1,019	0.97		1,130		0.96		476	0.88	*	261	↘	0.84		124	0.71	*	121		0.85		35
	PROVINCIAL TOTAL	1.00		**143,045**	↘	**1.00**		**55,589**	**1.00**		**39,774**	↘	**1.00**		**21,240**	**1.00**		**10,236**	↘	**1.00**		**6,000**	**1.00**		**5,462**		**1.00**		**2,121**

Please refer to footnotes on Table E

Table B

MORTALITYSTATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2000-2004

		05 Diabetes Mellitus							06 Diseases off the Circulatory System							07 Ischemic Heart Diseases							08 Cerebrovascular Diseases						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	1.45		17		1.13		10	0.97		122	↘	0.87		38	0.94		59	↘	0.85		20	0.98		27		0.61		5
002	Cranbrook	1.27		32		0.93		14	1.02		283	↘	0.83		80	1.04		142	↘	0.92		45	0.82		51	↘	0.50	*	9
003	Kimberley	0.64		8		0.27	*	3	0.89		129	↘	1.05		35	0.76	*	53	↘	0.81		19	0.69		23	↘	0.22	*	3
004	Windermere	0.36		3		0.06	*	1	0.86		75		1.05		31	0.86		38		1.46		22	1.05		20		0.73		4
005	Creston	0.71		15		0.57		5	1.03		252	↘	1.03		57	0.95		114	↘	0.86		30	1.05		59		1.95		14
006	Kootenay Lake	0.21		1		-		-	0.73	*	41	↘	0.62		10	0.88		24	↘	0.75		6	0.94		12		0.42		2
007	Nelson	1.00		27		1.13		13	1.13	*	350	↘	0.94		85	1.29	*	195	↘	1.01		46	0.96		68	↘	1.00		19
009	Castlegar	1.95	*	30		2.04		13	1.25	*	220	↘	1.48		70	1.19		102	↘	1.00		36	1.24		50		1.70		10
010	Arrow Lakes	0.57		4		0.74		2	0.94		76	↘	0.74		17	0.92		36	↘	0.78		9	0.43	*	8		0.68		3
011	Trail	1.58	*	45		2.32		16	1.25	*	421	↘	1.31		92	1.28	*	207	↘	1.29		48	0.94		74	↘	0.73		11
012	Grand Forks	1.24		17		0.60		4	1.09		168	↘	1.22		62	1.29	*	98	↘	1.40		38	0.86		30	↘	1.18		11
013	Kettle Valley	0.66		3		0.12	*	1	0.64	*	31	↘	0.76		13	0.58	*	14	↘	0.50		5	0.47		5		1.42		2
014	Southern Okanagan	1.46	*	57	↗	2.25		19	0.85	*	381	↘	1.28		101	0.74	*	163	↘	1.06		48	0.94		96	↘	1.28		23
015	Penticton	0.76	*	57		0.86		22	0.90	*	812	↘	1.18		165	0.90	*	390	↘	1.35		96	0.89		188		0.99		27
016	Keremeos	0.54		5		1.12		3	1.01		105		1.18		30	0.74		38		0.83		10	1.03		24		0.83		4
017	Princeton	0.70		5		0.59		3	1.20		92	↘	1.84	*	37	1.25		48	↘	2.13	*	25	1.36		23		2.89		8
018	Golden	1.12		6		0.39		1	1.09		63	↘	0.91		21	0.80		23	↘	0.88		10	1.18		15		1.31		4
019	Revelstoke	1.34		10		0.98		5	1.15		93	↘	1.67		37	0.75		30	↘	1.04		13	1.16		21		1.45		5
020	Salmon Arm	0.94		43		0.69		14	0.98		499	↘	1.03		137	0.78	*	196	↘	0.91		63	1.06		122		1.11		28
021	Armstrong-Spallumcheen	1.11		13		0.75		4	0.96		128	↘	1.17		39	0.93		60	↘	1.04		23	1.08		33		1.35		7
022	Vernon	1.03		83		0.91		27	1.00		924	↘	1.11		230	1.00		447	↘	1.09		122	0.99		209	↘	1.01		38
023	Central Okanagan	0.87	*	184		0.75	*	61	0.94	*	2,303	↘	0.87	*	491	0.82	*	978	↘	0.82	*	245	0.90	*	506	↘	0.83		85
024	Kamloops	1.38	*	138		1.18		47	1.10	*	1,200	↘	1.23	*	373	1.11	*	597	↘	1.47	*	234	0.90		218	↘	0.69	*	44
025	100 Mile House	0.85		13		1.43		9	1.18	*	184		1.31		75	1.28	*	102		1.23		41	0.99		33		1.77		14
026	North Thompson	1.07		4		1.40		3	1.14		44		0.84		18	1.02		20	↘	1.01		9	0.84		7		0.27	*	1
027	Cariboo-Chilcotin	1.58	*	31		1.08		11	1.20	*	247	↘	1.16		94	0.96		96	↘	0.83		42	1.34	*	60		1.92		24
028	Quesnel	1.46		30		0.84		14	1.02		224	↘	1.20		86	1.00		109	↘	1.22		47	0.90		43	↘	1.07		13
029	Lillooet	0.99		4		0.50		2	1.13		50	↘	0.93		19	0.59		13		0.37	*	4	1.62		16		2.24		8
030	South Cariboo	1.30		11		1.26		4	1.19		106	↘	1.69	*	48	1.14		51	↘	1.85		25	0.87		17	↘	1.50		7
031	Merritt	1.69	*	18		2.55		11	1.53	*	179	↘	2.30	*	75	1.44	*	83	↘	2.16	*	35	1.93	*	50		3.53	*	24
032	Hope	2.20	*	24		2.38		14	1.13		136	↘	1.45		41	1.18		70	↘	1.60		26	1.00		27		1.82		7
033	Chilliwack	1.30	*	113		2.04	*	52	1.09	*	1,075	↘	1.23	*	256	1.22	*	584	↘	1.22		146	1.06		240	↘	1.18		46
034	Abbotsford	1.24	*	162		1.75	*	64	1.00		1,522	↘	1.07		323	1.12	*	821	↘	1.12		184	0.86	*	301	↘	1.05		48
035	Langley	0.97		110		0.84		40	0.99		1,247	↘	0.88		310	1.07		654	↘	0.96		191	1.04		298	↘	0.85		51
037	Delta	0.78	*	69	↘	0.71		32	1.10	*	1,050	↘	0.84	*	263	1.13	*	530	↘	0.85		148	1.04		226	↘	0.64	*	39
038	Richmond	0.79	*	129		0.60	*	47	0.78	*	1,439	↘	0.64	*	352	0.78	*	699	↘	0.60	*	179	0.83	*	351	↘	0.87		72
040	New Westminster	1.16		76		1.40		24	1.12	*	886	↘	1.37	*	207	1.24	*	464	↘	1.67	*	136	1.10		207	↘	0.96		31
041	Burnaby	0.96		205		0.87		73	0.99		2,448	↘	0.82	*	500	1.16	*	1,375	↘	0.95		312	0.86	*	491	↘	0.76	*	75
042	Maple Ridge	1.10		73		1.40		37	1.25	*	921	↘	1.17		264	1.31	*	472	↘	1.14		147	1.16	*	193	↘	1.09		34
043	Coquitlam	1.01		141		0.89		53	0.95		1,447	↘	0.76	*	422	0.94		700	↘	0.81	*	243	0.99		337	↘	0.70	*	70
044	North Vancouver	1.03		134		0.63	*	42	0.97		1,428	↘	0.64	*	304	0.94		668	↘	0.71	*	170	1.12	*	375	↘	0.62	*	61
045	West Vancouver-Bowen Is	0.56	*	48		0.33	*	10	0.85	*	871	↘	0.45	*	105	0.80	*	394	↘	0.36	*	57	1.03		246	↘	0.47	*	17
046	Sunshine Coast	0.65	*	24		1.04		11	1.01		420	↘	1.09		112	0.90		184	↘	1.04		55	1.18		112		0.81		17
047	Powell River	0.88		23		1.14		9	1.05		312	↘	1.06		89	0.98		142	↘	1.06		45	1.11		75	↘	1.11		22
048	Howe Sound	1.34		20		1.26		13	1.08		165	↘	0.87		64	0.98		75	↘	0.64	*	24	0.92		30	↘	0.74		11
049	Bella Coola Valley	0.90		2		2.92		2	0.78		18	↘	0.95		10	0.52		6		0.68		3	1.20		6	↘	1.21		2
050	Queen Charlotte	0.62		2		0.33	*	1	0.91		31	↘	1.10		18	0.59		10		0.49	*	6	1.08		8		2.33		5
051	Snow Country	2.45		1		0.64		1	1.53		6		1.71		5	0.49		1		1.04		1	2.58		2		2.18		2
052	Prince Rupert	1.35		14		0.73		6	1.37	*	150	↘	1.88	*	60	1.18		64	↘	1.56		27	1.45	*	35	↘	2.53		11
053	Upper Skeena	1.56		5		1.20		2	0.84		28	↘	0.84		11	0.54		9	↘	0.64		5	0.71		5		0.10	*	1
054	Smithers	0.88		9		1.02		4	1.11		119	↘	0.90		42	0.90		48	↘	1.05		24	0.82		19		0.27	*	3
055	Burns Lake	0.81		5		0.30	*	2	0.93		60	↘	1.02		16	0.80		26		0.46	*	7	0.57		8		1.31		3
056	Nechako	2.32	*	26		2.04		13	1.11		131	↘	1.29		60	1.05		62	↘	1.21		33	1.02		26		1.98		12
057	Prince George	1.54	*	90		1.26		46	1.10	*	652	↘	1.20	*	287	0.94		280	↘	1.03		136	1.17		148	↘	1.10		54
059	Peace River South	1.87	*	36		1.62		21	1.30	*	268	↘	1.51	*	101	1.46	*	149	↘	1.79	*	65	0.99		45	↘	0.64		7
060	Peace River North	1.23		20		0.70		10	1.11		188	↘	1.36	*	87	1.15		97	↘	1.73	*	58	0.91		33		0.66		8
061	Greater Victoria	0.85	*	274		1.30		94	0.98		3,929	↘	0.94		580	0.92	*	1,747	↘	0.97		316	1.06		1,024	↘	1.04		117
062	Sooke	0.83		37		0.52	*	16	0.99		478	↘	0.85		139	0.89		211	↘	0.97		84	1.14		123		0.86		24
063	Saanich	0.72	*	77		0.40	*	13	0.76	*	965	↘	0.68	*	176	0.68	*	417	↘	0.54	*	89	0.88	*	256	↘	0.93		34
064	Gulf Islands	0.39	*	10		0.54		4	0.73	*	211	↘	0.75		47	0.67	*	95	↘	0.78		31	0.95		62	↘	0.98		9
065	Cowichan	0.75	*	48		0.68		16	0.98		702	↘	1.12		176	0.99		348	↘	1.12		97	0.93		151	↘	1.63		31
066	Lake Cowichan	0.59		4		0.17	*	2	1.00		73	↘	1.60		29	0.85		31	↘	0.95		12	1.05		17	↘	1.97		5
067	Ladysmith	0.82		20		0.39	*	5	1.13	*	312	↘	1.10		83	1.04		140	↘	0.85		36	1.18		74		0.83		16
068	Nanaimo	1.38	*	117		0.99		35	1.85	*	1,449	↘	1.25	*	371	1.96	*	791	↘	1.52	*	220	1.88	*	315	↘	0.91		57
069	Qualicum	0.90		67		0.97		28	0.93	*	764	↘	1.00		188	0.92		373	↘	1.18		109	0.84	*	158	↘	0.66	*	31
070	Alberni	1.70	*	57		1.31		22	1.25	*	459	↘	1.52	*	156	1.18	*	215	↘	1.36	*	89	1.21		100	↘	2.17	*	27
071	Courtenay	0.88		60		0.61	*	25	0.98		735	↘	0.89		189	0.92		340	↘	0.93		102	1.17	*	198		1.31		51
072	Campbell River	1.13		39		0.53		11	0.96		358	↘	1.13		126	0.79	*	146	↘	1.13		66	0.95		79		1.31		23
075	Mission	1.39	*	44		1.93		21	1.08		378	↘	1.35	*	137	1.11		192	↘	1.30		80	1.04		81		1.42		20
076	Agassiz-Harrison	1.54		13		1.01		6	1.00		91	↘	1.60		41	1.13		51	↘	1.83		25	0.84		17		1.52		7
077	Summerland	0.89		20		0.38	*	5	0.99		265	↘	0.86		44	1.03		133	↘	0.92		21	1.06		66		1.24		13
078	Enderby	0.53		5		0.70		2	1.10		116	↘	1.27		31	1.10		57	↘	1.78		19	0.88		21		0.17	*	1
080	Kitimat	1.48		10		0.83		4	1.28	*	83		1.07		40	1.16		39		1.17		25	1.57		21		2.22		10
081	Fort Nelson	2.88		5		2.94		3	0.86		14	↘	1.06		12	1.19		10		1.88		10	0.63		2		0.33	*	1
083	Central Coast	4.41	*	4		4.19		2	1.69		14		2.60		9	1.16		5		1.64		3	2.43		4		0.29	*	1
084	Vancouver Island West	-		-		-		-	1.22		13		2.12		10	1.66		9		3.67		8	0.92		2		0.22	*	1
085	Vancouver Island North	1.14		8		0.88		5	1.23		84	↘	1.41		47	1.42	*	50	↘	1.71		30	1.30		18		1.17		7
087	Stikine	2.47		2		3.19		2	1.00		8		1.25		4	0.50		2		1.06		1	-		-		-		-
088	Terrace	1.73	*	23		1.55		8	1.15		157	↘	1.43		67	1.03		71	↘	1.20		33	0.96		28		1.40		12
092	Nisga'a	2.80		3		2.68		1	1.27		14		2.32		10	1.80		10		2.62		7	1.25		3		6.22		3
094	Telegraph Creek	-		-		-		-	1.70		7		7.21		6	1.43		3		3.65		2	1.17		1		13.27		1
161	Vancouver - City Centre	0.78	*	68		1.03		31	1.03		1,069	↘	1.13		275	1.02		501	↘	0.88		132	1.07		261		1.06		42
162	Van. - Downtown E side	1.09		62		2.06	*	35	1.13	*	737	↘	2.41	*	320	1.03		328	↘	1.72	*	139	1.17	*	173	↘	2.75	*	63
163	Vancouver - North East	1.12		108		0.73		35	0.89	*	965	↘	0.92		266	0.91	*	477	↘	0.83		131	1.01		247	↘	1.01		55
164	Vancouver - West Side	0.60	*	82		0.43	*	21	0.77	*	1,295	↘	0.59	*	194	0.73	*	577	↘	0.50	*	91	0.81	*	321	↘	0.76		37
165	Vancouver - Midtown	1.00		76		0.61	*	27	0.98		847	↘	0.86		222	0.96		400	↘	0.71	*	102	1.06		210	↘	1.09		51
166	Vancouver - South	0.87		123		0.83		41	0.85	*	1,411	↘	0.78	*	290	0.83	*	663	↘	0.68	*	156	0.95		366	↘	1.03		59
201	Surrey	1.29	*	279		1.43	*	141	1.07	*	2,425	↘	1.11	*	816	1.17	*	1,304	↘	1.25	*	501	0.99		503	↘	0.98		127
202	South Surrey/White Rock	0.64	*	87		0.70		26	1.01		1,633	↘	0.72	*	221	1.18	*	908	↘	0.64	*	114	0.93		356	↘	0.77		44
	PROVINCIAL TOTAL	**1.00**		**4,307**		**1.00**		**1,658**	**1.00**		**48,884**	↘	**1.00**		**12,300**	**1.00**		**23,758**	↘	**1.00**		**6,727**	**1.00**		**11,211**	↘	**1.00**		**2,147**

Please refer to footnotes on Table E

		09 Dis. of Arteries/Arterioles/Capillaries							10 Diseases of the Respiratory System							11 Influenza and Pneumonia							12 Chronic Pulmonary Disease						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	0.24	*	2		0.56		2	0.93		34	↘	1.03		11	0.80		12	↘	-		-	1.11		17		1.58		8
002	Cranbrook	0.89		16		1.20		7	1.10		91	↘	1.65		27	1.11		38		1.47		4	1.21		42	↘	2.00		18
003	Kimberley	1.09		10		2.49		4	1.05		46		0.80		8	0.86		16		0.21	*	2	1.28		23		1.56		5
004	Windermere	0.85		5		0.54		1	0.77		20		0.57		5	1.00		10		0.82		2	0.79		9		0.77		3
005	Creston	0.95		15		0.42	*	4	0.61	*	46		1.01		12	0.50	*	16		1.22		5	0.73		23		1.46		7
006	Kootenay Lake	0.28		1		1.71		1	0.59		10		0.08	*	1	0.83		6		0.25	*	1	0.58		4		-		-
007	Nelson	1.17		23		1.92		8	0.83		77		0.45	*	12	0.65	*	26	↘	0.35	*	3	0.94		36		0.55		6
009	Castlegar	1.88	*	21		2.96	*	12	0.83		44		1.68		12	1.01		23		3.52		7	0.69		15		0.30	*	3
010	Arrow Lakes	2.35	*	12		1.90		3	0.78		19		0.94		3	0.48		5		2.29		1	1.12		11		0.53		2
011	Trail	2.14	*	45		3.23		15	1.00		102		1.42		23	0.82		36		1.72		6	1.32		55		1.85		15
012	Grand Forks	1.10		11		1.21		5	1.06		50		0.99		9	1.37		27		1.86		3	0.85		17		0.97		6
013	Kettle Valley	1.54		5		2.55		3	0.83		12		0.52		3	0.52		3		-		-	0.94		6		0.53		1
014	Southern Okanagan	1.14		33		1.72		9	0.92		127		0.92		21	1.05		60		0.32	*	1	0.80		47		1.04		14
015	Penticton	0.82		46		1.25		12	0.98		274		0.97		42	0.90		109	↘	0.78		10	1.15		131		1.43		25
016	Keremeos	1.46		10		2.03		3	0.66		21		0.60		10	0.30	*	4		0.17	*	1	1.02		14		0.66		6
017	Princeton	0.97		5		1.23		2	0.95		22	↘	1.12		4	0.75		7	↘	-		-	0.99		10		1.95		3
018	Golden	1.34		5		0.16	*	1	0.84		14	↘	1.31		7	0.73		5		0.68		1	0.99		7		1.98		4
019	Revelstoke	2.46	*	13		5.31	*	9	1.21		29		1.04		8	1.23		12		1.17		2	1.19		12		1.72		6
020	Salmon Arm	1.38	*	46		1.50		19	1.01		156		0.84		33	0.86		55		0.83		7	1.29	*	85		1.13		22
021	Armstrong-Spallumcheen	1.30		11		1.96		3	0.85		34		1.29		8	0.65		11	↘	0.10	*	1	1.09		18		1.55		5
022	Vernon	1.19		70	↘	1.64		24	0.98		274	↘	0.94		57	0.92		109	↘	1.09		17	1.15		134		1.04		34
023	Central Okanagan	0.88		138		0.89		37	0.97		722	↘	0.69	*	103	0.94		297	↘	0.50	*	22	0.95		296		0.62	*	52
024	Kamloops	1.07		76	↘	0.73		22	1.12	*	361	↘	1.61	*	121	0.87		114	↘	1.61		29	1.38	*	190		1.61	*	67
025	100 Mile House	0.93		10		1.54		6	1.19		55		1.20		15	1.31		23		0.42	*	3	1.02		21	↘	1.20		8
026	North Thompson	1.94		5		1.05		3	0.54		6	↘	0.07	*	1	0.45		2		-		-	0.41		2		0.18	*	1
027	Cariboo-Chilcotin	1.41		19		1.47		8	1.00		59	↘	1.67		28	0.64		15	↘	1.42		5	1.15		29		1.25		14
028	Quesnel	1.17		17		1.82		8	1.47	*	95		1.37		34	1.39		36		0.99		7	1.88	*	52		2.68	*	26
029	Lillooet	2.44		7		2.45		4	1.30		17		2.87		9	0.74		4		1.95		1	1.99		11		4.57		7
030	South Cariboo	1.33		8		1.77		3	1.43	*	38		1.95		9	0.86		9	↘	-		-	2.23	*	26		1.36		7
031	Merritt	0.92		7		0.97		2	1.48	*	52		3.56	*	29	1.11		16		5.82		9	1.69	*	25		2.50		12
032	Hope	1.14		9	↘	0.42		2	1.14		41	↘	1.18		11	1.02		15		1.83		5	1.04		16	↘	0.32	*	2
033	Chilliwack	0.74	*	47	↘	0.66		16	1.10		329		1.64	*	88	1.00		126		1.63		18	1.17		147		1.65	*	54
034	Abbotsford	0.93		89		0.47	*	15	0.96		442		0.99		77	1.03		204	↘	0.77		19	0.91		171		1.13		37
035	Langley	0.69	*	56	↘	0.33	*	10	1.07		401		0.77		80	1.26	*	196		0.92		29	1.01		159		0.87		41
037	Delta	1.36	*	84		1.19		28	0.99		275		0.67	*	47	1.06		121		0.69		11	0.88		103		0.54	*	23
038	Richmond	0.91		107		1.01		42	0.75	*	417	↘	0.37	*	58	0.81	*	190	↘	0.35	*	17	0.66	*	150	↘	0.24	*	24
040	New Westminster	1.02		49	↘	0.73		8	1.13	*	269	↘	1.17		54	1.30	*	138		1.44		21	0.97		91		0.99		21
041	Burnaby	0.73	*	112	↘	0.52	*	25	1.05		777		0.77	*	137	1.15	*	368		0.60	*	35	0.99		297		0.74	*	68
042	Maple Ridge	1.02		48		0.79		18	1.11		241	↘	1.46	*	73	1.09		99	↘	1.28		19	1.16		105	↘	1.46		38
043	Coquitlam	0.65	*	63	↘	0.39	*	17	1.02		449	↘	0.73	*	109	1.03		191	↘	0.73		31	1.01		184	↘	0.81		55
044	North Vancouver	1.12		104		0.57	*	23	0.99		432	↘	1.05		87	1.19	*	220	↘	1.65		29	0.84	*	150	↘	0.85		47
045	West Vancouver-Bowen Is.	0.85		54		0.64		11	0.92		286	↘	0.48	*	28	1.25	*	172		0.85		9	0.68	*	85		0.34	*	16
046	Sunshine Coast	0.85		23		1.28		9	1.15		145		1.27		35	1.35	*	71		1.30		12	0.94		50	↘	1.18		17
047	Powell River	0.94		18		1.42		7	0.86		77		0.77		15	0.90		34		0.23	*	3	0.80		30		0.72		8
048	Howe Sound	1.00		10		0.92		6	0.97		42		0.99		15	0.87		15		0.71		4	1.26		23		1.11		8
049	Bella Coola Valley	1.31		2		0.74		2	0.89		6		0.11	*	1	0.38		1		-		-	1.72		5		0.31	*	1
050	Queen Charlotte	1.82		4		1.14		1	0.61		6		0.76		3	1.00		4		0.96		1	-		-		-		-
051	Snow Country	-		-		-		-	-		-		-		-	-		-		-		-	-		-		-		-
052	Prince Rupert	1.68		12		3.19		8	1.22		39		0.32	*	7	1.17		15		0.54		2	1.32		18		0.29	*	4
053	Upper Skeena	0.45		1		0.75		1	1.43		14		1.58		4	1.29		5		0.99		1	1.42		6		-		-
054	Smithers	1.14		8		2.17		5	1.40	*	43		1.57		13	0.89		11		0.12	*	2	1.69	*	22		1.42		7
055	Burns Lake	1.61		7		2.90		4	0.99		19	↘	1.26		6	0.79		6		-		-	1.45		12		3.36		6
056	Nechako	1.41		11		1.04		4	1.18		41		1.19		18	0.79		11	↘	1.61		4	1.76	*	26		1.65		12
057	Prince George	1.42	*	56		1.47		29	1.48	*	250		1.06		74	1.24		82	↘	1.13		18	1.83	*	133		1.14		41
059	Peace River South	1.48		20		1.38		11	1.28	*	78		1.42		19	1.33		33		1.95		5	1.44	*	37		1.17		11
060	Peace River North	1.80	*	20		1.78		9	1.17		57	↘	0.83		13	0.88		17	↘	1.54		5	1.51	*	31		0.57		6
061	Greater Victoria	0.87	*	211	↘	0.66	*	33	0.93	*	1,140	↘	1.09		168	0.83	*	463	↘	0.77		33	0.97		467		1.41	*	98
062	Sooke	1.09		34	↘	0.42	*	8	0.97		138	↘	0.80		42	0.93		54	↘	0.33	*	10	0.98		59		1.03		22
063	Saanich	0.94		75	↘	0.52	*	13	0.78	*	305	↘	0.66	*	38	0.71	*	118	↘	0.56		9	0.75	*	121		0.38	*	20
064	Gulf Islands	0.54	*	10		0.61		1	0.69	*	61	↘	0.61		10	0.68		25		0.30	*	1	0.67	*	25		0.56		6
065	Cowichan	0.78		36	↘	0.70		10	1.16	*	250		1.59		73	0.99		88	↘	1.71		16	1.27	*	116		1.43		41
066	Lake Cowichan	1.45		7		3.62		5	0.97		21		1.65		7	0.80		7		2.59		1	1.29		12		2.01		6
067	Ladysmith	1.46		26	↘	1.82		14	1.02		85		1.21		20	1.13		39		1.86		9	0.93		33		0.81		9
068	Nanaimo	1.67	*	94	↘	1.10		25	1.63	*	370	↘	1.07		96	1.75	*	125	↘	0.74		16	1.53	*	176		1.24		60
069	Qualicum	0.96		52	↘	0.87		17	0.88		222	↘	0.85		39	0.82		84	↘	0.77		10	0.83		91		0.56	*	17
070	Alberni	0.84		20		0.32	*	6	0.94		103	↘	1.01		28	0.67	*	30	↘	0.30	*	4	0.99		46		0.99		15
071	Courtenay	0.86		42	↘	0.20	*	8	1.02		230		1.12		55	0.73	*	68		1.44		12	1.29	*	124		1.39		34
072	Campbell River	1.15		28	↘	0.93		11	0.84		93	↘	1.17		30	0.51	*	23		1.14		6	1.03		48		0.99		14
075	Mission	1.11		25		1.44		9	1.22	*	127		1.89		36	0.99		43	↘	1.41		9	1.33	*	58		1.51		16
076	Agassiz-Harrison	0.67		4		1.10		3	1.14		31		1.47		9	1.64		18		2.77		4	0.69		8		1.05		3
077	Summerland	0.94		16		0.40		1	0.91		75		0.59		6	0.79		28		-		-	1.08		37		1.27		4
078	Enderby	1.02		7		0.80		2	1.05		34		1.25		10	1.04		14		0.13	*	1	1.25		17		2.95		9
080	Kitimat	1.11		5		0.10	*	1	0.76		14		0.57		6	0.60		4		0.72		2	0.95		8		0.54		2
081	Fort Nelson	0.92		1		1.46		1	0.91		4		2.27		3	1.21		2		3.53		2	1.08		2		3.30		1
083	Central Coast	-		-		-		-	2.16		5		2.09		2	4.98	*	4		0.60		1	-		-		-		-
084	Vancouver Island West	-		-		-		-	0.69		2		0.48		1	-		-		-		-	-		-		-		-
085	Vancouver Island North	0.43		2		0.59		1	1.49		28		1.14		10	0.56		4		-		-	1.84	*	15		1.74		5
087	Stikine	7.40	*	4		1.50		2	-		-		-		-	-		-		-		-	-		-		-		-
088	Terrace	1.32		12		1.05		4	1.82	*	72		2.14	*	31	2.13	*	33		2.39		9	1.69	*	29		2.70	*	17
092	Nisga'a	-		-		-		-	1.23		4		0.23	*	1	1.58		2		-	*	-	0.71		1		0.70		1
094	Telegraph Creek	-		-		-		-	-		-		-		-	-		-		-		-	-		-		-		-
161	Vancouver - City Centre	1.30	*	82		2.33	*	37	1.04		321	↘	1.04		67	1.10		151	↘	1.37		27	1.02		123		1.15		30
162	Van. - Downtown E.side	1.96	*	81		4.67	*	47	1.28	*	249	↘	3.61	*	116	1.00		83	↘	3.45	*	37	1.58	*	126		3.97	*	58
163	Vancouver - North East	0.72	*	50		0.62		11	0.81	*	265	↘	0.41	*	44	0.90		123		0.46	*	16	0.68	*	92		0.32	*	17
164	Vancouver - West Side	0.90		91		1.05		23	1.02		517	↘	0.71	*	61	1.28	*	295	↘	1.12		27	0.66	*	129		0.34	*	17
165	Vancouver - Midtown	1.24		67		1.57		25	1.09		280	↘	0.83		52	1.14		126	↘	0.55	*	13	1.01		106	↘	1.00		25
166	Vancouver - South	0.87		90		1.18		24	0.85	*	427	↘	0.97		77	0.97		213	↘	1.44		33	0.70	*	142	↘	0.67		30
201	Surrey	1.03		152	↘	0.85		44	1.04		686		0.98		184	1.09		288		1.14		54	1.02		286	↘	0.79		83
202	South Surrey/White Rock	0.77	*	77	↘	0.44	*	15	0.90	*	438	↘	0.62	*	58	0.96		204	↘	0.43	*	15	0.77	*	153	↘	0.60	*	27
	PROVINCIAL TOTAL	**1.00**		**3,107**	↘	**1.00**		**952**	**1.00**		**14,681**	↘	**1.00**		**3,118**	**1.00**		**6,211**	↘	**1.00**		**828**	**1.00**		**5,069**		**1.00**		**1,621**

Please refer to footnotes on Table E

		13 Diseases of the Digestive System							14 Motor Vehicle Accidents							15 Accidental Falls							16 Suicide						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	0.93		15		0.42	*	7	1.30		10		1.20		8	1.86		8		4.49		4	1.12		10		0.99		9
002	Cranbrook	1.24		41		1.56		25	1.25		16		0.98		14	0.98		9		1.84		3	1.12		16		1.15		15
003	Kimberley	1.25		20		0.80		7	0.88		4		1.74		4	1.26		6		0.65		1	0.58		3		0.53		3
004	Windermere	0.55		6		0.39	*	2	2.56	*	12		3.26	*	12	0.71		2		0.60		1	1.30		7		1.36		7
005	Creston	0.80		21	↘	0.29	*	4	2.40	*	16		2.03		13	1.01		8		-		-	1.69		12		2.20		12
006	Kootenay Lake	0.96		6		1.67		3	4.44	*	8		4.03		7	1.62		3		-	*	-	0.97		2		0.65		2
007	Nelson	0.65	*	23	↘	0.75		12	1.59		20		1.40		18	2.01	*	21		-		-	0.85		12	↘	0.75		12
009	Castlegar	1.44		29		1.78		15	1.75		12		1.96		12	1.69		10		2.62		3	0.78		6		0.88		5
010	Arrow Lakes	1.11		10		1.29		3	3.82	*	10		6.05	*	9	1.12		3		-		-	0.34		1		0.55		1
011	Trail	1.34		49		1.00		15	0.95		10		1.24		9	1.52		17		1.21		3	1.46		17		1.84		16
012	Grand Forks	1.40		24		1.46		11	0.82		4		0.84		3	1.41		7		0.12	*	1	1.30		7		0.84		6
013	Kettle Valley	1.05		6		0.90		2	3.19	*	6		2.66		6	1.32		2		-		-	0.93		2	↘	0.80		2
014	Southern Okanagan	0.96		45		1.63		28	1.57		16		1.69		11	1.22		17		2.73		5	1.46		16		1.55		11
015	Penticton	1.20		110		1.14		32	1.02		22		1.27		20	0.98		29		2.13		4	1.39		32		1.63	*	32
016	Keremeos	0.90		10	↘	2.01		6	4.66	*	12		6.15	*	11	0.31		1		-		-	2.06		6		2.40		6
017	Princeton	1.46		13		0.82		4	2.86	*	7	↘	3.73		5	0.83		2		-		-	1.40		4		2.41		4
018	Golden	0.27	*	2	↘	0.40		1	1.92		7		1.94		7	1.02		2		3.28		2	1.18		5		1.54		5
019	Revelstoke	1.71		17		0.86		7	2.16		9		2.27		9	1.11		3		0.40		1	0.63		3		0.76		3
020	Salmon Arm	0.98		56		0.98		25	1.98	*	33		2.26	*	28	0.86		14	↘	1.10		6	1.10		20		1.07		17
021	Armstrong-Spallumcheen	0.80		12		0.19	*	3	1.99		10		1.66		9	0.69		3		-		-	1.45		8		1.95		8
022	Vernon	0.99		100	↘	1.05		41	1.43	*	44		1.40		37	0.90		27		1.08		8	1.14		38		1.07		35
023	Central Okanagan	0.84	*	223		0.96		92	0.99		79	↘	0.89		63	1.08		87	↘	1.24		22	1.02		90		1.11		80
024	Kamloops	1.19	*	156	↘	1.25		82	1.54	*	79	↘	1.49	*	70	1.52	*	54		1.03		16	1.40	*	81		1.46	*	73
025	100 Mile House	1.70	*	33		1.98		21	2.75	*	20		2.96	*	20	1.86		9		2.14		4	1.56		13		1.74		13
026	North Thompson	1.58		8		1.57		6	4.42	*	11		3.85	*	10	0.78		1		-		-	0.35		1		0.15	*	1
027	Cariboo-Chilcotin	1.52	*	41		1.74		26	2.10	*	29	↘	2.17	*	29	1.44		10		0.67		3	1.22		19		1.00		18
028	Quesnel	0.91		25	↘	1.10		15	3.06	*	38		2.43	*	32	1.93	*	14		0.31	*	3	0.64		9	↘	0.37	*	8
029	Lillooet	2.25	*	12		2.50		5	3.93	*	9		3.09		7	2.71		4		2.94		2	0.79		2	↘	0.49		1
030	South Cariboo	3.27	*	35		3.93	*	24	5.15	*	20		3.20	*	17	0.72		2		1.34		1	1.38		6		1.05		6
031	Merritt	1.60		22		2.28		14	2.88	*	16	↘	2.53		12	2.33	*	9		4.34		4	2.12	*	13		2.59	*	13
032	Hope	1.09		15		1.78		8	1.60		7	↘	1.21		6	1.57		6		1.89		2	2.06		10	↘	1.54		10
033	Chilliwack	0.98		107	↘	1.06		42	1.07		39		1.21		35	0.71		23	↘	1.39		9	1.09		43		1.05		39
034	Abbotsford	0.82	*	136	↘	0.74		50	1.36	*	82		1.45	*	78	0.57	*	29	↘	0.66		6	0.86		56		1.02		54
035	Langley	0.89		132	↘	0.87		61	0.87		50	↘	0.87		40	1.03		43	↘	0.37	*	7	0.70	*	45		0.76		44
037	Delta	0.83		99	↘	0.60	*	41	0.83		41		0.69	*	33	0.78		25		0.48		3	0.69	*	39		0.67	*	37
038	Richmond	0.66	*	144	↘	0.39	*	52	0.53	*	45		0.60	*	30	0.62	*	30		0.39	*	8	0.55	*	54	↘	0.45	*	46
040	New Westminster	0.97		85	↘	1.48		48	0.60	*	17	↘	0.65	*	16	0.84		23		1.60		10	1.40	*	48	↘	1.19		45
041	Burnaby	0.94		261	↘	0.73	*	98	0.56	*	57	↘	0.52	*	48	0.75	*	63	↘	0.89		18	0.78	*	91	↘	0.74	*	79
042	Maple Ridge	0.91		81		0.84		36	0.94		37	↘	0.98		36	0.64		16		0.45	*	4	1.19		54		1.18		53
043	Coquitlam	0.85	*	166	↘	0.83		84	0.57	*	54	↘	0.60	*	51	0.87		46	↘	0.36	*	11	0.63	*	70	↘	0.60	*	64
044	North Vancouver	0.88		153	↘	0.64	*	52	0.43	*	28		0.37	*	21	0.81		40	↘	0.82		9	0.80		61		0.76	*	55
045	West Vancouver-Bowen Is.	0.89		97		0.42	*	18	0.34	*	9		0.38	*	8	0.79		27	↘	1.98		7	0.89		26		0.69		20
046	Sunshine Coast	0.92		43		1.28		26	0.44	*	6	↘	0.66		6	0.52		7		1.23		2	1.31		20		1.43		19
047	Powell River	0.84		28	↘	0.60		11	1.17		12		1.28		10	1.13		11		1.49		2	1.03		12	↘	0.69		9
048	Howe Sound	0.93		20		0.81		14	2.09	*	31		2.18	*	30	1.45		8		2.93		6	1.09		19		0.93		16
049	Bella Coola Valley	2.00		6		3.47		2	7.00	*	11		7.96	*	11	-		-		-		-	1.12		2		1.98		2
050	Queen Charlotte	1.31		6		0.88		5	1.23		3		1.40		3	2.49		3		2.55		2	2.67	*	8		2.19		8
051	Snow Country	1.59		1		1.53		1	15.98	*	6		19.04	*	6	-		-		-		-	-		-		-		-
052	Prince Rupert	1.85	*	26		1.88		15	1.42		11		1.55		11	1.33		5		0.07	*	1	1.37		12		1.58		12
053	Upper Skeena	1.38		6		2.34		5	1.12		3		1.10		3	1.74		2		0.42	*	2	1.68		5		2.39		5
054	Smithers	1.33		19		1.08		12	2.27	*	19		2.84	*	19	-		-		-		-	1.37		13		1.10		12
055	Burns Lake	1.48		12		2.11		9	2.68	*	10	↘	2.42		9	1.88		4		1.50		2	1.46		6		1.66		6
056	Nechako	1.06		16	↘	1.21		10	2.94	*	24		2.82	*	22	1.74		7		0.74		3	1.22		11		1.65		11
057	Prince George	1.36	*	111	↘	1.41	*	80	1.82	*	88	↘	1.51	*	84	1.13		23	↘	0.74		8	1.08		59		1.17		58
059	Peace River South	0.97		25	↘	0.70		10	2.92	*	37		2.70	*	36	1.71		12		0.18	*	2	0.63		9	↘	0.81		9
060	Peace River North	0.83		19		1.33		14	2.32	*	34		2.13	*	33	1.67		10		2.22		6	0.86		14	↘	1.12		14
061	Greater Victoria	1.04		433		1.01		126	0.48	*	53	↘	0.44	*	37	1.29	*	179	↘	1.30		20	1.22	*	148		1.18		131
062	Sooke	0.82		49	↘	0.87		28	0.72		19	↘	0.70		15	1.30		21		1.15		5	0.85		26		0.70		24
063	Saanich	0.58	*	77	↘	0.33	*	15	0.70		23		0.72		17	0.83		34	↘	0.64		5	0.72		26		0.62	*	20
064	Gulf Islands	1.12		35		1.19		17	0.80		8		1.18		5	2.08	*	19		2.66		4	1.31		11		1.80		11
065	Cowichan	1.21		98		1.36		50	1.09		29	↘	1.42		27	1.09		25		1.65		9	1.19		35		1.46		34
066	Lake Cowichan	2.09	*	18		2.32		12	1.28		4		1.28		3	-		-		-		-	1.14		4		0.95		3
067	Ladysmith	1.29		39		1.43		16	1.43		12		1.70		12	1.14		10		1.17		2	1.39		13		1.89		12
068	Nanaimo	1.56	*	161		1.38	*	76	0.94		43	↘	0.94		36	2.63	*	57	↘	0.44	*	7	1.31	*	67		1.34		61
069	Qualicum	0.75	*	67		0.78		19	0.84		18	↘	0.85		15	1.10		28		0.43		2	0.81		19	↘	0.78		18
070	Alberni	1.06		46		1.43		26	1.14		18		1.25		16	1.00		12	↘	1.69		3	1.45		26		1.69		24
071	Courtenay	1.11		97		0.70	*	32	0.82		24	↘	1.03		22	1.19		29	↘	1.35		11	1.01		33		1.05		32
072	Campbell River	1.30		60		1.56		35	0.87		17	↘	0.98		16	1.12		14		0.85		6	1.21		27	↘	1.21		25
075	Mission	1.19		50		0.93		23	1.27		23	↘	1.07		18	0.68		8		0.03	*	1	1.18		24		1.23		23
076	Agassiz-Harrison	2.12	*	23		3.62	*	14	2.13		9		2.80		9	1.02		3		2.43		2	0.83		4	↘	0.68		4
077	Summerland	0.98		27		0.49	*	6	1.10		7	↘	1.53		5	1.96	*	17		6.30		6	1.03		7		1.51		6
078	Enderby	1.35		16		0.61		5	1.88		7		1.70		6	1.17		4		-		-	0.49		2		0.45		2
080	Kitimat	1.40		13		1.43		7	1.62		9		1.72		8	0.94		2		0.58		2	0.48		3		0.30	*	2
081	Fort Nelson	0.73		2		0.80		2	2.76	*	8		3.06		8	1.49		1		-		-	1.22		4		1.25		4
083	Central Coast	5.63	*	7		4.79		6	1.24		1		1.72		1	3.88		1		-		-	1.08		1		1.26		1
084	Vancouver Island West	-		-		-		-	0.88		1		1.21		1	-		-		-		-	1.45		2		1.55		2
085	Vancouver Island North	1.66		17		1.41		13	0.61		4		0.54		3	2.10		5		2.22		4	1.44		11		1.56		11
087	Stikine	0.86		1		0.20	*	1	1.73		1		2.87		1	-		-		-		-	1.45		1		1.34		1
088	Terrace	1.48		27		2.24		19	1.33		14	↘	1.29		13	1.50		7		1.72		2	1.28		15		1.11		15
092	Nisga'a	2.83		4		3.31		2	3.28		3		0.28	*	2	5.24		2		9.71		2	3.12		3		4.86		3
094	Telegraph Creek	-		-		-		-	-		-		-		-	6.87		1		21.44		1	6.47		2		7.48		2
161	Vancouver - City Centre	1.41	*	166		1.48	*	80	0.31	*	16	↘	0.20	*	13	0.87		32	↘	1.75		13	1.43	*	90	↘	1.20		82
162	Van. - Downtown E.side	1.94	*	143	↘	3.66	*	100	0.75		20	↘	0.48	*	16	1.33		29	↘	3.49	*	16	2.28	*	76	↘	2.23	*	73
163	Vancouver - North East	0.99		123	↘	1.09		62	0.60	*	29	↘	0.60	*	27	0.84		30		0.29	*	4	0.94		52		0.89		48
164	Vancouver - West Side	0.84	*	151	↘	0.53	*	37	0.41	*	26	↘	0.33	*	19	0.66	*	39		0.88		8	0.75	*	53		0.64	*	48
165	Vancouver - Midtown	1.15		116	↘	0.91		47	0.43	*	18	↘	0.41	*	14	0.67		20	↘	1.15		6	0.94		47		0.93		43
166	Vancouver - South	0.71	*	131	↘	0.72	*	54	0.64	*	41	↘	0.58	*	34	0.85		48	↘	1.07		12	0.53	*	38	↘	0.53	*	36
201	Surrey	0.91		266	↘	0.93		148	1.07		157	↘	1.09		147	0.69	*	53	↘	0.61	*	19	0.95		159		1.00		155
202	South Surrey/White Rock	0.92		157		0.80		44	0.83		33	↘	0.70		24	0.90		48		0.84		3	0.69	*	30		0.71		23
	PROVINCIAL TOTAL	**1.00**		**5,604**	↘	**1.00**		**2,464**	**1.00**		**2,043**	↘	**1.00**		**1,796**	**1.00**		**1,634**	↘	**1.00**		**402**	**1.00**		**2,312**	↘	**1.00**		**2,135**

Please refer to footnotes on Table E

		17 Alcohol-Related Deaths							18 Medically Treatable Disease							19 Drug-Induced Deaths						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	1.25		41		1.09		34	0.36		1		0.56		1	0.52		4		0.50	*	4
002	Cranbrook	1.35	*	79		1.06		63	1.59		7		1.60		7	0.67		8		0.73		8
003	Kimberley	1.58	*	39		0.89		24	-		-		-		-	0.71		3		0.64		3
004	Windermere	0.96		21		1.05		16	1.19		2		1.01		2	0.22		1		0.02	*	1
005	Creston	1.28		49		2.03	*	40	0.48		1		0.34		1	0.75		4		0.93		4
006	Kootenay Lake	1.61		16		2.30		13	-		-		-		-	2.40		4		1.76		4
007	Nelson	1.41	*	84		1.15		53	-		-		-		-	1.19		14		1.26		14
009	Castlegar	1.42	*	47		1.17		32	1.25		3		1.24		3	0.62		4		0.77		4
010	Arrow Lakes	1.84	*	26		1.98		21	2.15		2		3.45		2	2.12		5		1.67		4
011	Trail	1.67	*	90	↗	1.66	*	55	0.85		3		1.22		3	0.84		8		0.77		8
012	Grand Forks	1.00		27		1.25		23	0.62		1		1.06		1	0.24		1		0.11	*	1
013	Kettle Valley	0.96		10		0.98		9	-		-		-		-	-		-		-		-
014	Southern Okanagan	1.31	*	88		1.56	*	62	1.30		4		1.29		4	1.40		11		1.73		11
015	Penticton	1.22	*	149		1.62	*	113	0.62		4		0.69		4	1.23		22		1.32		22
016	Keremeos	1.16		20		2.30	*	18	1.17		1		1.60		1	0.92		2		1.20		2
017	Princeton	1.50		23		2.71	*	20	1.09		1		0.57		1	1.36		3		1.69		3
018	Golden	1.06		16		1.38		15	1.54		2		1.79		2	-		-		-		-
019	Revelstoke	1.18		22		1.39		20	0.68		1		0.31	*	1	0.73		3		0.96		3
020	Salmon Arm	1.20		109		1.31		79	1.26		7		1.37		7	1.04		15		1.14		15
021	Armstrong-Spallumcheen	0.90		22		1.01		19	0.58		1		0.61		1	-		-		-		-
022	Vernon	1.15		179		1.30	*	134	0.90		9	↘	0.87		9	1.55	*	42		1.47		41
023	Central Okanagan	0.99		403		1.13		293	0.85		22	↘	0.92		22	1.24		90		1.30	*	84
024	Kamloops	1.25	*	298		1.51	*	248	1.06		19		1.07		19	1.23		60		1.37	*	59
025	100 Mile House	1.35	*	52		2.10	*	50	1.88		5		2.13		5	1.34		9		1.45		9
026	North Thompson	1.30		14		1.63		11	1.14		1		1.16		1	0.82		2		1.05		2
027	Cariboo-Chilcotin	1.94	*	109		1.98	*	90	0.83		4	↘	0.75		4	0.74		10		0.87		10
028	Quesnel	1.33	*	72		1.15		59	1.15		5	↘	1.43		5	1.01		12		0.99		12
029	Lillooet	3.42	*	34		3.00	*	27	2.66		2		4.11		2	0.93		2		1.25		2
030	South Cariboo	2.69	*	54		3.43	*	46	0.75		1		0.95		1	-		-		-		-
031	Merritt	1.87	*	47		2.18	*	39	2.15		4		2.88		4	1.75		9		1.63		9
032	Hope	1.50	*	35		1.68		26	2.04		3		1.93		3	1.55		6		1.57		6
033	Chilliwack	0.94		163		1.12		123	1.06		12	↘	1.32		12	0.85		28		0.70		24
034	Abbotsford	0.67	*	175		0.74	*	144	1.07		20	↘	0.99		20	0.99		55		1.01		54
035	Langley	0.64	*	163		0.58	*	119	0.97		19		1.02		19	0.52	*	29		0.50	*	28
037	Delta	0.62	*	136		0.57	*	97	0.73		13		0.65		13	0.69	*	33		0.69	*	32
038	Richmond	0.46	*	175		0.33	*	126	0.58	*	18	↘	0.49	*	18	0.28	*	24	↘	0.24	*	21
040	New Westminster	1.24	*	163		1.13		125	1.67		17	↘	1.71		17	1.94	*	60	↘	1.78	*	58
041	Burnaby	0.76	*	345		0.60	*	222	0.98		34		0.90		34	0.68	*	69	↘	0.71	*	67
042	Maple Ridge	0.97		159		0.82	*	124	1.01		14		1.02		14	1.04		42		1.03		41
043	Coquitlam	0.70	*	267		0.61	*	215	0.54	*	19	↘	0.53	*	19	0.64	*	64		0.65	*	63
044	North Vancouver	0.73	*	217		0.62	*	161	0.82		20	↘	0.83		20	0.55	*	37		0.51	*	33
045	West Vancouver-Bowen Is.	0.54	*	82		0.49	*	47	0.74		7		0.82		7	0.40	*	9		0.42	*	8
046	Sunshine Coast	0.97		72		0.87		55	1.49		7		1.31		7	1.30		16		1.48		16
047	Powell River	1.49	*	81		1.61	*	63	2.21		8		1.85		8	1.16		11		0.78		9
048	Howe Sound	1.12		58		0.94		48	1.18		6		1.21		6	0.49	*	8		0.54	*	8
049	Bella Coola Valley	2.68	*	17		2.38		15	3.74		2		4.02		2	0.64		1		0.66		1
050	Queen Charlotte	2.29	*	23		2.06	*	21	1.08		1		1.07		1	1.47		4		1.42		4
051	Snow Country	2.48		4		4.40		4	-		-		-		-	-		-		-		-
052	Prince Rupert	2.39	*	70		2.57	*	63	1.18		3		0.78		3	1.26		10		1.11		10
053	Upper Skeena	2.98	*	29		2.23	*	20	-		-		-		-	1.14		3		1.55		3
054	Smithers	1.09		34		1.05		27	0.70		2		1.04		2	0.47		4		0.57		4
055	Burns Lake	1.43		23		1.16		18	0.80		1		1.41		1	-		-		-		-
056	Nechako	1.82	*	58		1.52		50	1.87		5		1.89		5	0.38		3		0.34	*	3
057	Prince George	1.30	*	239		1.26	*	207	1.48		25	↘	1.21		25	0.92		45		0.93		45
059	Peace River South	1.62	*	83		1.71	*	69	1.67		7		1.65		7	0.56		7		0.59		7
060	Peace River North	1.18		61		1.14		54	1.46		7		1.65		7	0.34	*	5		0.25	*	4
061	Greater Victoria	1.15	*	619		1.11		406	0.88		31	↘	0.93		31	1.66	*	173		1.64	*	162
062	Sooke	1.03		119		0.89		97	0.92		9	↘	0.73		9	0.67		18		0.71		18
063	Saanich	0.61	*	116		0.38	*	61	0.72		8	↘	0.93		8	0.64		18		0.55	*	15
064	Gulf Islands	0.98		46		1.25		36	0.37		1		0.20	*	1	0.95		6		1.27		6
065	Cowichan	1.02		136		1.09		98	0.78		7		0.91		7	0.83		20		0.93		20
066	Lake Cowichan	1.79	*	28		2.06	*	25	0.93		1		1.51		1	1.04		3		0.40	*	2
067	Ladysmith	1.49	*	70		1.33		45	0.71		2		0.70		2	0.81		6		0.77		6
068	Nanaimo	1.24	*	271		1.29	*	206	1.01		16	↘	0.99		16	1.25		54		1.21		51
069	Qualicum	0.70	*	95		0.75	*	65	0.43		3	↘	0.52		3	0.50	*	9		0.53	*	9
070	Alberni	1.76	*	135		1.54	*	98	0.90		5	↘	0.81		5	1.14		17		1.07		16
071	Courtenay	1.17		172		1.02		115	0.79		8		1.02		8	0.89		24		1.00		24
072	Campbell River	1.66	*	146		1.60	*	117	1.27		9		1.16		9	1.38		26		1.44		26
075	Mission	0.80		62		0.85		55	0.64		4	↘	0.52		4	1.24		22		1.17		22
076	Agassiz-Harrison	1.14		23		1.61		19	1.46		2		1.64		2	1.48		6		1.54		6
077	Summerland	0.61	*	23		0.55	*	17	0.51		1		0.35		1	0.19		1		0.23	*	1
078	Enderby	1.25		24		1.45		21	1.63		2		1.56		2	0.31		1		0.13	*	1
080	Kitimat	1.09		24		0.95		19	0.52		1		0.51		1	0.37		2		0.40	*	2
081	Fort Nelson	1.57		13		1.54		13	1.09		1		1.14		1	0.32		1		0.30	*	1
083	Central Coast	5.72	*	18		6.10	*	16	3.70		1		2.94		1	1.23		1		1.42		1
084	Vancouver Island West	2.65	*	11		2.04		9	-		-		-		-	-		-		-		-
085	Vancouver Island North	2.04	*	52		1.86	*	47	2.49		6		2.57		6	0.74		5		0.63		5
087	Stikine	1.53		4		1.72		4	4.27		1		3.77		1	-		-		-		-
088	Terrace	1.45	*	58		1.53	*	49	1.72		6		2.01		6	0.68		7		0.67		7
092	Nisga'a	4.50	*	14		6.16	*	13	-		-		-		-	-		-		-		-
094	Telegraph Creek	9.57	*	10		12.89	*	10	-		-		-		-	-		-		-		-
161	Vancouver - City Centre	1.31	*	266		1.17		220	1.53		26	↘	1.33		26	1.71	*	103	↘	1.39	*	100
162	Van. - Downtown E.side	3.18	*	411		3.72	*	369	3.49	*	32	↘	3.27	*	32	6.50	*	195	↘	6.52	*	194
163	Vancouver - North East	0.77	*	166		0.72	*	133	1.24		20		1.20		20	0.92		45	↘	0.85		43
164	Vancouver - West Side	0.47	*	124		0.43	*	90	0.39	*	8	↘	0.49	*	8	0.52	*	32		0.55	*	30
165	Vancouver - Midtown	0.89		159		0.83		118	0.53		8	↘	0.51	*	8	1.04		48	↘	1.01		47
166	Vancouver - South	0.60	*	172		0.71	*	132	0.99		21	↘	1.04		21	0.64	*	39	↘	0.65	*	38
201	Surrey	0.82	*	475		0.85	*	398	1.25		63		1.16		63	1.10		165		1.17		163
202	South Surrey/White Rock	0.55	*	126		0.57	*	75	0.82		11	↘	0.69		11	0.52	*	18		0.52	*	14
	PROVINCIAL TOTAL	**1.00**		**9,364**		**1.00**		**7,169**	**1.00**		**698**	↘	**1.00**		**698**	**1.00**		**1,989**		**1.00**		**1,921**

Please refer to footnotes on Table E

TABLE C

SUMMARY STATISTICS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2000-2004

	Health Service Delivery Area	2004	Live Birth		Stillbirth		Death		Infant Death	
		Population	Total	Rate	Total	Rate[2]	Total	Rate	Total	Rate[1]
11	East Kootenay	81,397	3,257	8.15	13	3.98	2,725	6.82	8	2.46
12	Kootenay Boundary	79,718	3,073	7.66	27	8.71	3,548	8.85	16	5.21
13	Okanagan	323,396	12,653	8.03	86	6.75	14,821	9.40	47	3.71
14	Thompson Cariboo Shushwap	219,483	9,238	8.54	58	6.24	8,072	7.46	49	5.30
21	Fraser East	260,161	15,018	11.95	118	7.80	9,197	7.32	55	3.66
22	Fraser North	554,439	28,425	10.46	206	7.19	16,244	5.98	90	3.17
23	Fraser South	626,227	35,333	11.61	235	6.61	17,962	5.90	151	4.27
31	Richmond	172,714	7,802	9.10	63	8.01	4,172	4.87	29	3.72
32	Vancouver	593,174	28,413	9.75	251	8.76	19,088	6.55	107	3.77
33	North Shore/Coast Garibaldi	271,082	11,953	8.93	77	6.40	9,069	6.78	43	3.60
41	South Vancouver Island	346,523	13,872	8.11	85	6.09	16,021	9.37	68	4.90
42	Central Vancouver Island	247,461	9,900	8.17	70	7.02	10,727	8.85	51	5.15
43	North Vancouver Island	116,596	5,099	8.87	36	7.01	3,894	6.78	32	6.28
51	Northwest	84,030	5,012	11.98	44	8.70	2,028	4.85	28	5.59
52	Northern Interior	153,760	7,978	10.53	84	10.42	3,982	5.26	35	4.39
53	Northeast	66,222	4,331	13.44	37	8.47	1,475	4.58	16	3.69
	PROVINCIAL TOTAL	**4,196,383**	**201,376**	**9.78**	**1,491**	**7.35**	**143,045**	**6.95**	**825**	**4.10**

	Health Service Delivery Area	Low Birth Wt. Live Birth		Cesarean		Pre-term		Teenage Mother		Elderly Gravida	
		Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]
11	East Kootenay	115	35.31	788	241.94	155	47.59	298	91.50	427	131.10
12	Kootenay Boundary	169	55.00	697	226.81	217	70.62	113	36.77	540	175.72
13	Okanagan	673	53.19	3,289	259.94	971	76.74	614	48.53	2,025	160.04
14	Thompson Cariboo Shushwap	524	56.72	2,772	300.06	715	77.40	634	68.63	1,227	132.82
21	Fraser East	738	49.14	3,797	252.83	1,007	67.05	833	55.47	1,810	120.52
22	Fraser North	1,580	55.58	7,725	271.77	2,117	74.48	674	23.71	6,815	239.75
23	Fraser South	1,924	54.45	9,800	277.36	2,444	69.17	1,001	28.33	6,282	177.79
31	Richmond	401	51.40	2,243	287.49	490	62.80	94	12.05	2,175	278.77
32	Vancouver	1,599	56.28	7,513	264.42	2,097	73.80	443	15.59	8,367	294.48
33	North Shore/Coast Garibaldi	570	47.69	3,279	274.32	820	68.60	307	25.68	3,654	305.70
41	South Vancouver Island	732	52.77	4,019	289.72	1,088	78.43	486	35.03	3,058	220.44
42	Central Vancouver Island	489	49.39	2,623	264.95	765	77.27	748	75.56	1,476	149.09
43	North Vancouver Island	276	54.13	1,325	259.85	392	76.88	440	86.29	777	152.38
51	Northwest	203	40.50	1,358	270.95	360	71.83	495	98.76	610	121.71
52	Northern Interior	420	52.64	2,114	264.98	530	66.43	601	75.33	912	114.31
53	Northeast	177	40.87	1,045	241.28	201	46.41	357	82.43	416	96.05
	PROVINCIAL TOTAL	**10,591**	**52.59**	**54,391**	**270.10**	**14,370**	**71.36**	**8,139**	**40.42**	**40,574**	**201.48**

Please refer to footnotes on Table E

TABLE D

MORTALITY STATISTICS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2000-2004

		01 All Causes of Death							02 Malignant Neoplasms							03 Malignant Neoplasms of Lung							04 End/Nut/Met. Diseases						
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	0.98		2,725	↘	0.95		1,137	1.01		807		0.97		451	1.10		229		1.07		146	1.05		112		0.59	*	46
12	Kootenay Boundary	1.07	*	3,548	↘	1.10	*	1,339	1.01		925	↘	0.98		483	1.03		245	↘	1.15		158	1.19	*	152		1.32		63
13	Okanagan	0.98	*	14,821	↘	1.06	*	5,049	1.01		4,188		1.06	*	2,069	1.07	*	1,147		1.16	*	632	0.92		543		1.08		190
14	Thompson Cariboo Shushwap	1.15	*	8,072	↘	1.31	*	3,892	1.09	*	2,266		1.14	*	1,363	1.13	*	622	↘	1.15	*	393	1.20	*	327		1.17		133
21	Fraser East	1.04	*	9,197	↘	1.14	*	3,670	1.05	*	2,571		1.11	*	1,399	1.07		668		1.26	*	428	1.23	*	419		1.51	*	183
22	Fraser North	0.99		16,244	↘	0.86	*	6,322	1.01		4,565	↘	0.97		2,537	1.05		1,219	↘	1.01		748	1.02		629		0.89		232
23	Fraser South	0.98	*	17,962	↘	0.92	*	7,112	0.96	*	5,035	↘	0.95	*	2,748	0.89	*	1,206	↘	0.88	*	707	0.98		689		1.01		291
31	Richmond	0.76	*	4,172	↘	0.62	*	1,549	0.84	*	1,293	↘	0.81	*	698	0.92		363	↘	0.79	*	201	0.77	*	160		0.65	*	59
32	Vancouver	0.95	*	19,088	↘	1.01		7,403	0.89	*	4,743	↘	0.90	*	2,453	0.88	*	1,179	↘	0.82	*	647	0.95		716		0.95		263
33	North Shore/Coast Garibaldi	0.92	*	9,069	↘	0.79	*	3,162	0.92	*	2,510	↘	0.87	*	1,285	0.81	*	573	↘	0.75	*	336	0.86	*	323		0.76	*	116
41	South Vancouver Island	0.96	*	16,021	↘	0.99		4,721	1.04	*	4,464	↘	1.07	*	2,014	0.95		1,021	↘	0.94		493	0.82	*	522		1.01		172
42	Central Vancouver Island	1.18	*	10,727	↘	1.17	*	4,197	1.12	*	3,095		1.14	*	1,652	1.12	*	827	↘	1.19	*	474	1.11	*	398		0.94		147
43	North Vancouver Island	1.07	*	3,894	↘	1.15	*	1,771	1.13	*	1,206	↘	1.17	*	697	1.25	*	350		1.37	*	230	0.95		133		0.71		51
51	Northwest	1.19	*	2,028	↘	1.28	*	1,177	1.03		527	↘	0.96		351	1.04		139		1.02		101	1.38	*	88		1.59		45
52	Northern Interior	1.22	*	3,982	↘	1.22	*	2,265	1.20	*	1,186		1.14	*	778	1.24	*	324		1.05		223	1.45	*	178		1.05		89
53	Northeast	1.15	*	1,475	↘	1.15	*	806	1.04		392		1.01		262	1.26	*	124		1.24		84	1.53	*	73		1.22		41
	PROVINCIAL TOTAL	**1.00**		**143,045**	↘	**1.00**		**55,589**	**1.00**		**39,774**	↘	**1.00**		**21,240**	**1.00**		**10,236**	↘	**1.00**		**6.000**	**1.00**		**5.462**		**1.00**		**2.121**

		05 Diabetes Mellitus							06 Diseases of the Circulatory System							07 Ischemic Heart Diseases							08 Cerebrovascular Diseases						
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	0.96		81		0.68	*	34	0.98		924	↘	0.93		262	0.93		429	↘	0.94		146	0.92		195	↘	0.84		39
12	Kootenay Boundary	1.26	*	127		1.37		49	1.12	*	1,307	↘	1.12		349	1.20	*	676	↘	1.07		188	0.93		247	↘	1.04		58
13	Okanagan	0.92		429		0.89		146	0.95	*	5,126	↘	1.03		1,168	0.88	*	2,314	↘	1.02		609	0.94	*	1,166	↘	0.97		206
14	Thompson Cariboo Shushwap	1.26	*	272		1.16		106	1.12	*	2,602	↘	1.27	*	876	1.03		1,190	↘	1.28	*	466	1.05		544	↘	1.21		155
21	Fraser East	1.33	*	356		1.86	*	157	1.05	*	3,202	↘	1.20	*	798	1.15	*	1,718	↘	1.23	*	461	0.95		666	↘	1.19		128
22	Fraser North	1.02		495		1.01		187	1.04	*	5,702	↘	0.91	*	1,393	1.13	*	3,011	↘	1.01		838	0.97		1,228	↘	0.81	*	210
23	Fraser South	0.99		545		1.08		239	1.04	*	6,355	↘	0.96		1,610	1.15	*	3,396	↘	1.03		954	0.99		1,383	↘	0.86		261
31	Richmond	0.79	*	129		0.60	*	47	0.78	*	1,439	↘	0.64	*	352	0.78	*	699	↘	0.60	*	179	0.83	*	351	↘	0.87		72
32	Vancouver	0.88	*	519		0.86		190	0.91	*	6,324	↘	1.00		1,567	0.88	*	2,946	↘	0.81	*	751	0.98		1,578	↘	1.15		307
33	North Shore/Coast Garibaldi	0.86	*	255		0.75	*	89	0.95	*	3,228	↘	0.72	*	693	0.90	*	1,474	↘	0.70	*	357	1.09	*	848	↘	0.66	*	131
41	South Vancouver Island	0.79	*	398		0.95		127	0.92	*	5,583	↘	0.86	*	942	0.85	*	2,470	↘	0.87	*	520	1.03		1,465	↘	0.98		184
42	Central Vancouver Island	1.09		313		0.90		108	1.24	*	3,759	↘	1.21	*	1,003	1.25	*	1,898	↘	1.26	*	563	1.20	*	815	↘	1.19		167
43	North Vancouver Island	0.97		107		0.60	*	41	0.99		1,190	↘	1.05		372	0.91	*	545	↘	1.14		206	1.10		297	↘	1.28		82
51	Northwest	1.39	*	60		1.10		29	1.18	*	603	↘	1.34	*	263	1.00		257	↘	1.18		131	1.11		122	↘	1.63	*	48
52	Northern Interior	1.57	*	151		1.22		75	1.07	*	1,067	↘	1.20	*	449	0.96		477	↘	1.05		223	1.05		225	↘	1.20		82
53	Northeast	1.64	*	61		1.29		34	1.20	*	470	↘	1.40	*	200	1.31	*	256	↘	1.77	*	133	0.94		80	↘	0.63	*	16
	PROVINCIAL TOTAL	**1.00**		**4.307**		**1.00**		**1,658**	**1.00**		**48,884**	↘	**1.00**		**12,300**	**1.00**		**23,758**	↘	**1.00**		**6,727**	**1.00**		**11,211**	↘	**1.00**		**2,147**

		09 Dis. of Arteries Arterioles Capillaries							10 Diseases of the Respiratory System							11 Influenza and Pneumonia							12 ChronicPulmonary Disease						
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	0.87		53		0.94		19	0.89		251	↘	1.16		70	0.83		97		0.85		14	1.03		121	↘	1.61	*	45
12	Kootenay Boundary	1.60	*	118		2.34	*	47	0.89	*	314		0.98		63	0.84		126	↘	1.50		21	1.00		144		0.85		33
13	Okanagan	0.98		336	↘	1.18		93	0.96		1,583	↘	0.82	*	261	0.91	*	639	↘	0.58	*	53	1.02		704		0.97		152
14	Thompson Cariboo Shushwap	1.25	*	191	↘	1.27		76	1.12	*	773		1.54	*	253	0.89		250	↘	1.48		56	1.35	*	401		1.51	*	144
21	Fraser East	0.89		174	↘	0.70	*	45	1.04		970		1.34	*	221	1.03		406	↘	1.24		55	1.04		400		1.31		112
22	Fraser North	0.79	*	272	↘	0.53	*	68	1.06	*	1,736	↘	0.90		373	1.13	*	796	↘	0.84		106	1.01		677	↘	0.89		182
23	Fraser South	0.95		369	↘	0.75	*	97	1.00		1,800		0.83	*	369	1.08	*	809		0.92		109	0.93		701	↘	0.73	*	174
31	Richmond	0.91		107		1.01		42	0.75	*	417	↘	0.37	*	58	0.81	*	190	↘	0.35	*	17	0.66	*	150	↘	0.24	*	24
32	Vancouver	1.07		461		1.65	*	167	0.98		2,059	↘	1.07		417	1.08	*	991	↘	1.25		153	0.86	*	718	↘	0.99		177
33	North Shore/Coast Garibaldi	0.98		211		0.77		58	0.98		993	↘	0.92		183	1.19	*	517	↘	1.22		58	0.82	*	343	↘	0.77	*	97
41	South Vancouver Island	0.88	*	330	↘	0.59	*	55	0.89	*	1,644	↘	0.93		258	0.81	*	660	↘	0.64	*	53	0.91	*	672		1.07		146
42	Central Vancouver Island	1.16	*	235	↘	0.98		77	1.15	*	1,051	↘	1.16		263	1.06		373	↘	1.02		56	1.17	*	474		1.09		148
43	North Vancouver Island	0.91		72	↘	0.49	*	20	0.99		353		1.13		96	0.65	*	95		1.14		18	1.23	*	187		1.27		53
51	Northwest	1.35		46		1.49		22	1.30	*	192		1.20		65	1.27		74		0.99		17	1.32	*	84		1.17		31
52	Northern Interior	1.38	*	91		1.57	*	45	1.41	*	405	↘	1.14		132	1.19		135	↘	1.10		29	1.80	*	223		1.62	*	85
53	Northeast	1.60	*	41		1.58		21	1.22	*	139	↘	1.21		35	1.13		52	↘	1.89		12	1.45	*	70		1.02		18
	PROVINCIAL TOTAL	**1.00**		**3,107**	↘	**1.00**		**952**	**1.00**		**14,681**	↘	**1.00**		**3,118**	**1.00**		**6,211**	↘	**1.00**		**828**	**1.00**		**6,069**		**1.00**		**1,621**

Please refer to footnotes on Table E

TABLE D

MORTALITY STATISTICS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2000-2004

		13 Diseases of the Digestive System							14 Motor Vehicle Accidents							15 Accidental Falls							16 Suicide						
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	0.96		105	↘	0.80		46	1.62	*	65		1.62	*	58	1.13		35		1.97		11	1.18		53		1.26		51
12	Kootenay Boundary	1.13		147		1.15		61	1.70	*	70	↘	1.85	*	64	1.63	*	63		0.75		7	1.02		47	↘	1.04		44
13	Okanagan	0.96		556		1.00		217	1.26	*	204	↘	1.25	*	167	1.06		187		1.48		45	1.14		203		1.25	*	184
14	Thompson Cariboo Shushwap	1.36	*	380		1.49	*	210	2.10	*	226	↘	2.02	*	202	1.40	*	106	↘	1.24		37	1.31	*	158	↘	1.33	*	145
21	Fraser East	0.97		331	↘	1.01		137	1.30	*	160	↘	1.36	*	146	0.68	*	69	↘	0.88		20	1.02		137	↘	1.07		130
22	Fraser North	0.91	*	593	↘	0.86	*	266	0.62	*	165	↘	0.64	*	151	0.78	*	148	↘	0.70	*	43	0.86	*	263	↘	0.80	*	241
23	Fraser South	0.90	*	654	↘	0.84	*	294	0.96		281	↘	0.94		244	0.83	*	169	↘	0.57	*	32	0.82	*	273		0.87	*	259
31	Richmond	0.66	*	144	↘	0.39	*	52	0.53	*	45		0.60	*	39	0.62	*	39		0.39	*	8	0.55	*	54	↘	0.45	*	46
32	Vancouver	1.06		830	↘	1.18	*	380	0.51	*	150	↘	0.43	*	123	0.83	*	198	↘	1.25		59	1.04		356	↘	0.96		330
33	North Shore/Coast Garibaldi	0.91		354	↘	0.73	*	129	0.74	*	98	↘	0.82		87	0.83		94	↘	1.36		26	0.93		141	↘	0.85		122
41	South Vancouver Island	0.93		594	↘	0.86		186	0.57	*	101	↘	0.56	*	74	1.24	*	253	↘	1.22		34	1.07		211		1.03		186
42	Central Vancouver Island	1.21	*	429		1.30	*	199	1.02		124	↘	1.14		109	1.42	*	132	↘	0.91		23	1.22	*	164		1.36	*	152
43	North Vancouver Island	1.20	*	174		1.06		80	0.82		46	↘	0.91		42	1.21		48		1.25		21	1.14		73		1.18		70
51	Northwest	1.50	*	103		1.68	*	67	1.75	*	69	↘	1.88	*	66	1.25		22		1.12		12	1.39	*	62		1.37		60
52	Northern Interior	1.24	*	164	↘	1.37	*	114	2.20	*	160	↘	1.85	*	147	1.42	*	48	↘	0.71		16	1.04		85	↘	1.12		83
53	Northeast	0.90		46	↘	1.01		26	2.61	*	79		2.45	*	77	1.68	*	23		1.16		8	0.80		27	↘	1.01		27
	PROVINCIAL TOTAL	**1.00**		**5,604**	↘	**1.00**		**2,464**	**1.00**		**2,043**	↘	**1.00**		**1,796**	**1.00**		**1,634**	↘	**1.00**		**402**	**1.00**		**2.312**	↘	**1.00**		**2.135**

		17 Alcohol-Related Deaths							18 Medically Treatable Disease							19 Drug-Induced Deaths						
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.28	*	245		1.22		192	0.94		13		0.98		13	0.53	*	20		0.53	*	20
12	Kootenay Boundary	1.44	*	300		1.39	*	206	0.63		9		0.85		9	0.96		36		0.92		35
13	Okanagan	1.08	*	931		1.28	*	697	0.87		45		0.89		45	1.20	*	172		1.26	*	165
14	Thompson Cariboo Shushwap	1.45	*	739		1.72	*	610	1.18		44		1.27		44	1.09		110		1.21		109
21	Fraser East	0.82	*	458		0.93		367	1.05		41		1.07		41	1.03		117		0.98		112
22	Fraser North	0.82	*	934		0.69	*	686	0.90		84		0.87		84	0.86	*	235	↘	0.86	*	229
23	Fraser South	0.70	*	900		0.72	*	689	1.04		106		0.99		106	0.85	*	245		0.89		237
31	Richmond	0.46	*	175		0.33	*	126	0.58	*	18		0.49	*	18	0.28	*	24	↘	0.24	*	21
32	Vancouver	1.02		1,298		1.05		1,062	1.16		115		1.13		115	1.50	*	462	↘	1.43	*	452
33	North Shore/Coast Garibaldi	0.85	*	545		0.78	*	405	1.06		51		1.04		51	0.64	*	83		0.61	*	76
41	South Vancouver Island	1.01		900		0.95		600	0.84		49		0.86		49	1.31	*	215		1.30	*	201
42	Central Vancouver Island	1.17	*	735		1.21	*	537	0.83		34		0.86		34	0.99		109		0.98		104
43	North Vancouver Island	1.44	*	381		1.35	*	288	1.15		23		1.24		23	1.02		55		1.08		55
51	Northwest	1.79	*	270		1.83	*	230	1.05		14	↘	1.11		14	0.76		30		0.78		30
52	Northern Interior	1.37	*	392		1.26	*	334	1.43	*	36		1.33		36	0.83		60		0.83		60
53	Northeast	1.41	*	157		1.42	*	136	1.51		15		1.60		15	0.43	*	13		0.39	*	12
	PROVINCIAL TOTAL	**1.00**		**9,364**		**1.00**		**7,169**	**1.00**		**698**		**1.00**		**698**	**1.00**		**1,989**		**1.00**		**1,921**

Please refer to footnotes on Table E

TABLE E

SUMMARY STATISTICS BY HEALTH AUTHORITY

BRITISH COLUMBIA, 2000-2004

		2004	Live Birth		Stillbirth		Death		Infant Death	
	Health Authority	Population	Total	Rate	Total	Rate[2]	Total	Rate	Total	Rate[1]
01	Interior	703,994	28,221	8.16	184	6.48	29,166	2.78	120	4.25
02	Fraser	1,440,827	78,776	11.22	559	7.05	43,403	3.58	296	3.76
03	Vancouver Coastal	1,036,970	48,168	9.43	391	8.05	32,329	3.76	179	3.72
04	Vancouver Island	710,580	28,871	8.26	191	6.57	30,642	6.13	151	5.23
05	Northern	304,012	17,321	11.56	165	9.44	7,485	5.00	79	4.56
	PROVINCIAL TOTAL	**4,196,383**	**201,376**	**9.78**	**1,491**	**7.35**	**143,045**	**6.95**	**825**	**4.10**

		Low Birth Wt. Live Birth		Cesarean		Pre-term		Teenage Mother		Elderly Gravida	
	Health Authority	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]
01	Interior	1,481	52.48	7,546	267.39	2,058	72.92	1,659	58.79	4,219	149.50
02	Fraser	4,242	53.85	21,322	270.67	5,568	70.68	2,508	31.84	14,907	189.23
03	Vancouver Coastal	2,570	53.35	13,035	270.62	3,407	70.73	844	17.52	14,196	294.72
04	Vancouver Island	1,497	51.85	7,967	275.95	2,245	77.76	1,674	57.98	5,311	183.96
05	Northern	800	46.19	4,517	260.78	1,091	62.99	1,453	83.89	1,938	111.89
	PROVINCIAL TOTAL	**10,591**	**52.59**	**54,391**	**270.10**	**14,370**	**71.36**	**8,139**	**40.42**	**40,574**	**201.48**

Note: Total is the number of events in the specified category for the five year time period.
Infant Death - deaths of children under one year of age.
Low Birth Weight live births - live births with birth weight <2,500 grams.
Cesarean - live births delivered by cesarean section.
Pre-term - live births with gestational age <37 weeks.
Teenage Mother - live births to mothers under 20 years of age.
Elderly Gravida - live births to mothers 35 years of age or older.
Death is the total number of deaths from the specified cause for the five year time period.
D<75 is the number of deaths under 75 years of age from the specified cause.
SMR - Standardized Mortality Ratio.
PYLLI - Potential Years of Life Lost Index.
Rate - per 1,000 population in the specified area.
Rate[1] - rate per 1,000 live births in the specified area.
Rate[2] - per 1,000 total births in the specified area.
SMR, PYLLI, and Rate are based on the five year period ending with the current year.
* Statistical testing indicates that observed deaths are statistically different from the expected deaths ($p<0.05$, two tailed).
+ Denotes statistical significance based on less than five cases.
TR - Trend in ASMR based on single year rates for the previous 15 years:
↗ indicates a statistically significantly positive (increasing) trend,
↘ indicates a statistically significantly negative (decreasing) trend,
and trends are not shown in areas with less than 15 deaths in the 15 year period.
Trends shown in previous annual reports were based on three year moving averages and should not be compared to the trends in these tables.
TR* - Trend reflects change in *Medical Certification of Death* introduced in 1993. The revised form contained questions about lifestyle factors including abuse of alcohol, which resulted in increased reporting of deaths indirectly related to alcohol.
HSDA 32 Vancouver may include unspecified Vancouver addresses.
N.S. - Not Stated.
Non-residents are excluded.

TABLE F

MORTALITY STATISTICS BY HEALTH AUTHORITY

BRITISH COLUMBIA, 2000-2004

		01 All Causes of Death							02 Malignant Neoplasms							03 Malignant Neoplasms of Lung							04 End/Nut/Met. Diseases						
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.03	*	29,166	↘	1.13	*	11,417	1.03	*	8,186		1.07	*	4,366	1.09	*	2,243		1.15	*	1,329	1.04		1,134		1.08		432
02	Fraser	0.99		43,403	↘	0.93	*	17,104	1.00		12,171	↘	0.98		6,684	0.98		3,093	↘	1.00		1,883	1.05		1,737		1.05		706
03	Vancouver Coastal	0.91	*	32,329	↘	0.89	*	12,114	0.89	*	8,546	↘	0.87	*	4,436	0.87	*	2,115	↘	0.80	*	1,183	0.90	*	1,199		0.85	*	438
04	Vancouver Island	1.04	*	30,642	↘	1.08	*	10,689	1.08	*	8,765	↘	1.11	*	4,363	1.05	*	2,198	↘	1.10	*	1,197	0.93	*	1,053		0.94		370
05	Northern	1.20	*	7,485	↘	1.22	*	4,248	1.12	*	2,105	↘	1.06		1,391	1.19	*	587		1.08		408	1.45	*	339		1.24		175
	PROVINCIAL TOTAL	**1.00**		**143,045**	↘	**1.00**		**55,589**	**1.00**		**39,774**	↘	**1.00**		**21,240**	**1.00**		**10,236**	↘	**1.00**		**6,000**	**1.00**		**5,462**		**1.00**		**2,121**

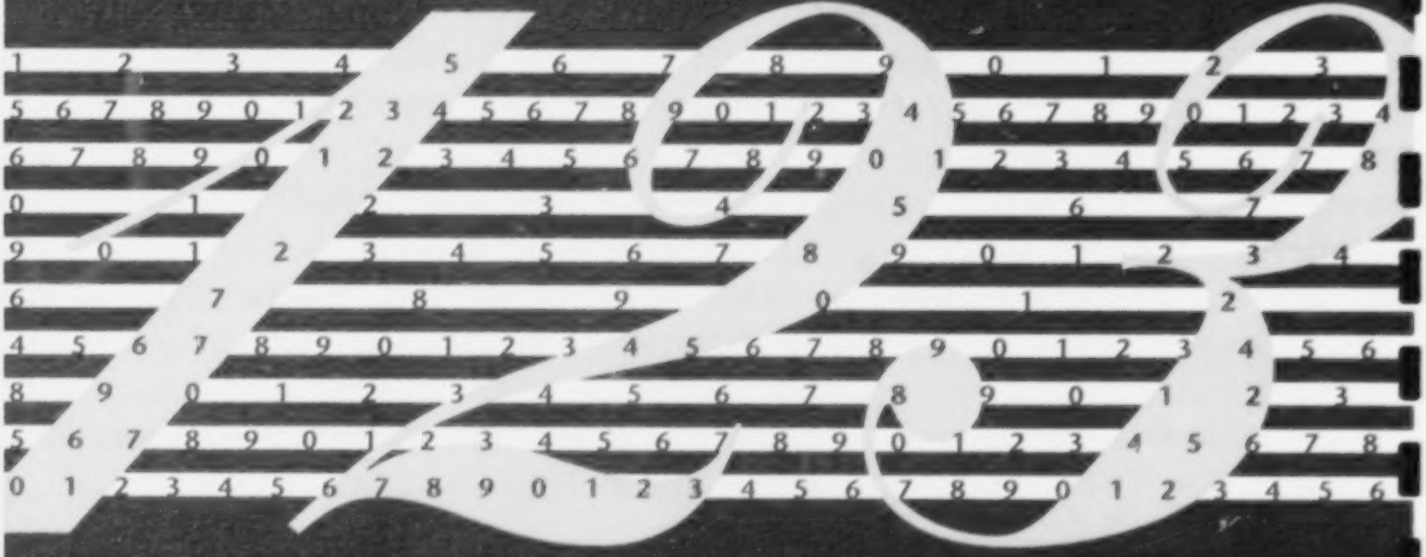
		05 Diabetes Mellitus							06 Diseases of the Circulatory System							07 Ischaemic Heart Diseases							08 Cerebrovascular Diseases						
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.05		909		1.01		335	1.01		9,959	↘	1.10	*	2,655	0.96	*	4,609	↘	1.10	*	1,409	0.96		2,152	↘	1.04		458
02	Fraser	1.07	*	1,396		1.19	*	583	1.04	*	15,259	↘	0.98		3,801	1.14	*	8,125	↘	1.05		2,253	0.97		3,277	↘	0.90	*	599
03	Vancouver Coastal	0.86	*	903		0.78	*	326	0.90	*	10,991	↘	0.86	*	2,612	0.87	*	5,119	↘	0.74	*	1,287	0.99		2,777	↘	0.97		510
04	Vancouver Island	0.91	*	818		0.88		276	1.02	*	10,532	↘	1.02		2,317	0.98		4,913	↘	1.06		1,289	1.06	*	2,577	↘	1.11		433
05	Northern	1.53	*	281		1.20		138	1.13	*	2,140	↘	1.28	*	912	1.04		990	↘	1.23	*	487	1.04		427	↘	1.21		146
	PROVINCIAL TOTAL	**1.00**		**4,307**		**1.00**		**1,658**	**1.00**		**48,884**	↘	**1.00**		**12,300**	**1.00**		**23,758**	↘	**1.00**		**6,727**	**1.00**		**11,211**	↘	**1.00**		**2,147**

		09 Dis. of Arteries, Arterioles, Capillaries							10 Diseases of the Respiratory System							11 Influenza and Pneumonia							12 Chronic Pulmonary Disease						
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.11	*	698	↘	1.32	*	235	0.98		2,921	↘	1.10		647	0.89	*	1,112	↘	1.00		144	1.10	*	1,370		1.19	*	374
02	Fraser	0.88	*	815	↘	0.66	*	210	1.03	*	4,506	↘	0.95		963	1.09	*	2,011	↘	0.95		270	0.98		1,778	↘	0.90		468
03	Vancouver Coastal	1.02		779		1.28	*	267	0.95	*	3,469	↘	0.91		658	1.07	*	1,698	↘	1.09		228	0.82	*	1,211	↘	0.80	*	298
04	Vancouver Island	0.97		637	↘	0.72	*	152	0.98		3,048	↘	1.04		617	0.86	*	1,128	↘	0.86		127	1.03		1,333		1.11		347
05	Northern	1.41	*	178		1.55	*	88	1.34	*	736	↘	1.17		232	1.20	*	261	↘	1.23		58	1.60	*	377		1.38	*	134
	PROVINCIAL TOTAL	**1.00**		**3,107**	↘	**1.00**		**952**	**1.00**		**14,681**	↘	**1.00**		**3,118**	**1.00**		**6,211**	↘	**1.00**		**828**	**1.00**		**6,069**		**1.00**		**1,621**

		13 Diseases of the Digestive System							14 Motor Vehicle Accidents							15 Accidental Falls							16 Suicide						
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.08	*	1,188	↘	1.15	*	534	1.61	*	565	↘	1.62	*	491	1.22	*	391	↘	1.37	*	100	1.18	*	461	↘	1.25	*	424
02	Fraser	0.92	*	1,578	↘	0.88	*	697	0.89	*	606	↘	0.90	*	541	0.78	*	386	↘	0.68	*	95	0.87	*	673	↘	0.88	*	630
03	Vancouver Coastal	0.96		1,328	↘	0.92		561	0.57	*	293	↘	0.56	*	249	0.80	*	331	↘	1.14		93	0.93		551	↘	0.85	*	498
04	Vancouver Island	1.05		1,197		1.05		465	0.77	*	271	↘	0.82	*	225	1.28	*	433	↘	1.12		78	1.13	*	448	↘	1.17	*	408
05	Northern	1.24	*	313	↘	1.38	*	207	2.16	*	308	↘	1.99	*	290	1.43	*	93	↘	0.92		36	1.08		174	↘	1.16		170
	PROVINCIAL TOTAL	**1.00**		**5,604**	↘	**1.00**		**2,464**	**1.00**		**2,043**	↘	**1.00**		**1,796**	**1.00**		**1,634**	↘	**1.00**		**402**	**1.00**		**2,312**	↘	**1.00**		**2,135**

		17 Alcohol-Related Deaths							18 Medically Treatable Disease							19 Drug-Induced Deaths						
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.25	*	2,215		1.42	*	1,705	0.95		111		1.02		111	1.06		338		1.12		329
02	Fraser	0.77	*	2,292		0.74	*	1,742	0.99		231		0.95		231	0.88	*	597		0.89	*	578
03	Vancouver Coastal	0.88	*	2,018		0.86	*	1,593	1.03		184		1.00		184	1.09		569	↘	1.05		549
04	Vancouver Island	1.13	*	2,016		1.11	*	1,425	0.88		106		0.93		106	1.15	*	379		1.15	*	360
05	Northern	1.49	*	819		1.45	*	700	1.34	*	65	↘	1.33		65	0.73	*	103		0.72	*	102
	PROVINCIAL TOTAL	**1.00**		**9,364**		**1.00**		**7,169**	**1.00**		**698**		**1.00**		**698**	**1.00**		**1,989**		**1.00**		**1,921**

Please refer to footnotes on Table E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